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Attorneys for Verde Santa Fe Wastewater Company

BEFORE THE ARIZONA CORPORATION COMMISSION

IN THE MATTER OF THE APPLICATION OF VERDE SANTA FE WASTEWATER COMPANY FOR APPROVAL OF A REVISED TARIFF REDUCING THE COMMODITY RATE FOR EFFLUENT SALES DOCKET NO.: SW-03437A-09-0493

NOTICE OF FILING

Verde Santa Fe Wastewater Company ("VSFWC" or the "Company") hereby submits this Notice of Filing in the above-captioned docket. Attached hereto is the Company's Plan which addresses: (1) The Verde Santa Fe Golf Course ("Golf Course") payment of rates approved by Arizona Corporation Commission Tariff, (2) the Company's plans for the effluent should the Golf Course refuse it, (3) the expected financial and rate impacts of a modified rate, and (4) the needed next steps and the timeline for those steps to be completed.

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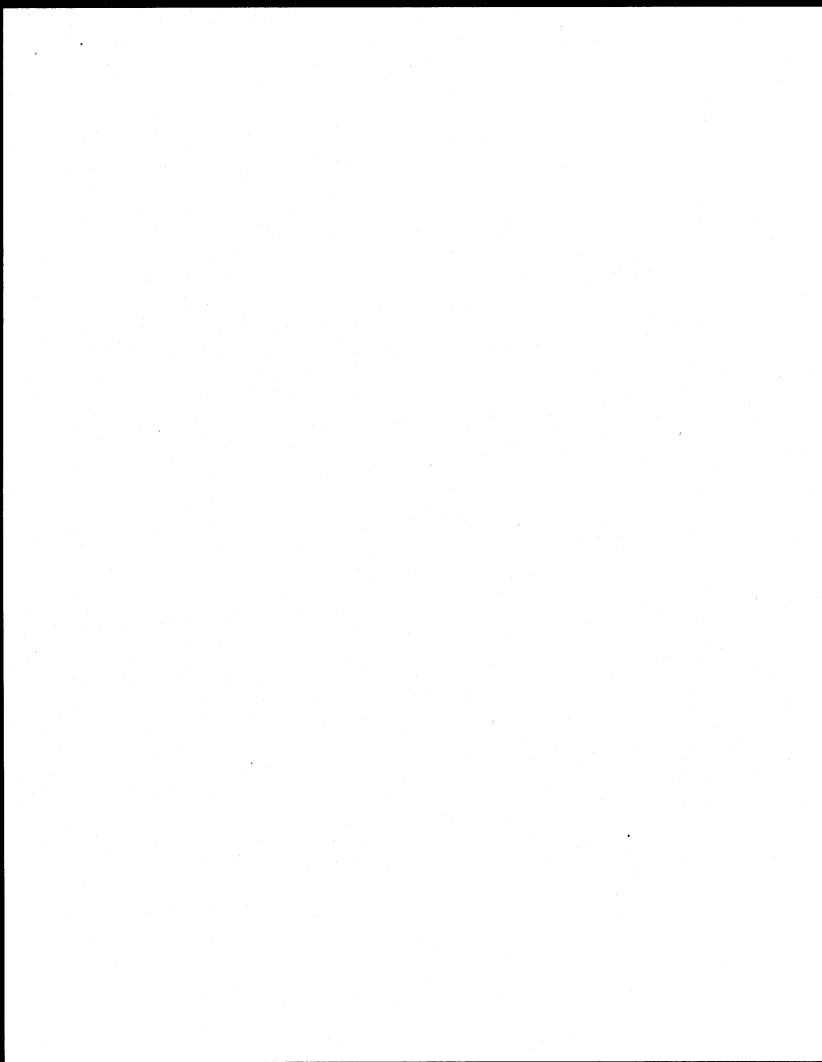
FENNEMORE CRAIG
PROFESSIONAL CORPORATION
PHOENIX

1	RESPECTFULLY SUBMITTED this $\frac{\mathcal{V}'}{2}$ day of November, 2010.
2	FENNEMORE CRAIG, P.C.
3	By A
4	Jay L. Shapiro Patrick J. Black
5	Jennifer Benoit 3003 North Central Avenue, Suite 2600
6	Phoenix, Arizona 85012 Attorneys for Verde Santa Fe
7	Wastewater Company
8	ORIGINAL and 13 copies of the foregoing filed this 19 day of November, 2010 with:
10	Docket Control
11	Arizona Corporation Commission 1200 West Washington Street
12	Phoenix, Arizona 85007
13	COPY of the foregoing hand-delivered
14	this 19 day of November, 2010 to:
15	Chairman Kristin K. Mayes Arizona Corporation Commission
16	1200 W. Washington Street
17	Phoenix, AZ 85007
18	Commissioner Gary Pierce
19	Arizona Corporation Commission 1200 W. Washington Street
20	Phoenix, AZ 85007
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VERDE SANTA FE WASTEWATER COMPANY PLAN

Introduction

On April 13, 2010 the Arizona Corporation Commission ("ACC") Staff issued a proposed order in Verde Santa Fe Wastewater Company's ("Verde Santa Fe") pending request for approval of a revised Tariff reducing the commodity rate for effluent sales, Docket No. SW-03437A-09-0493. The recommended order requires Verde Santa Fe to address the following:

- 1. The Verde Santa Fe Golf Course ("Golf Course") payment of effluent rates;
- 2. Verde Santa Fe's contingent plan for effluent disposal in the event the Golf Course refuses to accept Verde Santa Fe's effluent;
- 3. Expected financial and rate impacts of a modified rate;
- 4. Needed next steps and timeline.

Golf Course Payment Of Effluent Rates.

The Golf Course is currently Verde Santa Fe's only effluent customer. Throughout the relationship between the two companies, the Golf Course has refused to pay the ACC approved effluent Tariff rate of \$2.00 per 1,000 gallons. Because of this refusal, in 2006 Verde Santa Fe began billing its effluent at the rate of \$0.23 per 1,000 gallons which was the only rate the Golf Course was willing to pay. In 2009, Verde Santa Fe increased its billing rate to \$0.40 per 1,000 gallons but was only able to collect \$0.23 per 1,000 gallons from the Golf Course.

In light of the Golf Course's refusal to pay the Tariff rate, Verde Santa Fe and the Golf Course have engaged in extensive negotiations regarding the provision and price of effluent. The result of these negotiations is that the Golf Course continues to express interest in utilizing Verde Santa Fe's effluent. However, the Golf Course also continues to express great concern over the price of the effluent. (A letter evidencing this intent and concern is attached hereto as **Exhibit A**). Verde Santa Fe, through its current rate modification filing, is attempting to establish a competitive rate for effluent which it deems to be \$0.40 per 1,000 gallons. Verde Santa Fe hopes that the establishment of this competitively priced Tariff will result in full payment from the Golf Course.

<u>Verde Santa Fe's Contingency Plan Is To Install Direct Injection Wells As An</u> Alternative Effluent Disposal Method.

In an attempt to address the commission's concern regarding the unlikely event of the Golf Course refusing to accept effluent, Verde Santa Fe proposes to install direct injection wells. Pursuant to a report commissioned in August 2010 by Chuck Dickens, a hydrogeologist and registered geologist, direct injection wells are a geologically appropriate option (this report is attached hereto as **Exhibit B**). The direct injection wells can be installed in a manner that protects the health and safety of the residents in the communities surrounding the Verde Santa Fe wastewater treatment plant.

Verde Santa Fe has also investigated the Arizona Department of Environmental Quality ("ADEQ") requirements for direct injection wells. Verde Santa Fe learned from this investigation that only minimal additional equipment and equipment upgrades are needed to meet ADEQ standards. Additionally, according to ADEQ, installation of the direct injection wells as "alternative" disposal options will not preclude currently approved disposal options (e.g. providing effluent to the Golf Course).

After reviewing Mr. Dickens' report and engaging in detailed conversations with ADEQ, Verde Santa Fe estimates that the total cost to install the direct injection wells will be \$250,000 - \$275,000. This includes \$125,000 for installation and injection of the wells and \$125,000 - \$150,000 for the requisite equipment, upgrades, and permits. Verde Santa Fe has already completed approximately \$30,000 worth of the upgrades by expanding the treatment plant's equalization capacity.

Expected Financial And Rate Impacts Of A Modified Rate

Verde Santa Fe is attempting to secure a short-term \$250,000 Line of Credit bank equipment loan from Wells Fargo Bank, N.A. The application is currently pending; a status update on the loan application from Wells Fargo is attached hereto as **Exhibit C**.

Upon completion of the installation of the injection wells, Verde Santa Fe intends to file a rate case. This rate case will outline Verde Santa Fe's additional revenue requirements. Assuming the installation of \$250,000 worth of additional plant needed to install the injection wells (and assuming a financing rate of 7%), at least \$30,000 per year of additional revenue would be required. However, until specific debt service requirements are known, along with the final cost, the specific impact of this project on rates is, at best, guesswork. At a minimum, Verde Santa Fe will require rate increases sufficient to allow it to service the debt associated with this project while also paying its operating expenses and earning a fair return on its fair value rate base. It is possible though that the nature of the project, including its time and intensive up front costs, could result in the need for emergency rate relief to allow Verde Santa Fe to service the debt while construction is underway. Again, such specifics are unknown and unknowable until financing for the project is secured, and until the final construction costs are fully known.

Needed Next Steps And Proposed Timeline

December 15, 2010 – Receive final financing approval from Wells Fargo. Within five business days relay final terms and conditions (as well as any impacts on timeline or plan) to ACC staff.

January 1, 2011 – Commence Final Engineering and Scoping for the installation of two direct injection wells.

January 31, 2011 – File financing application with ACC along with emergency rate relief application.

March 2011 – Based on engineering and scoping, obtain bids, request Yavapai county construction permits, and select contractor for installation of recharge wells.

April 2011 – Proceed with construction on recharge test wells (which will ultimately become final recharge wells). Conduct tests as required to obtain technical information necessary for application to ADEQ.

May 2011 – File application to ADEQ to amend APP permit to include alternative disposal option.

May/June, 2011 – Receive final approval from ACC for financing/emergency rate relief applications. Immediately start drawing down on Line of Credit from Wells Fargo to pay contractors/engineers.

October-November, 2011 – Receive final approval from ADEQ on alternative disposal wells. Complete construction and close line of credit from Wells Fargo, (this triggers the beginning of three years of fixed monthly payments).

November 2011 – ACC-approved emergency rate relief (including debt service surcharge) takes effect.

May/June, 2012 (twelve months following initial financing/emergency rate application approval) Verde Santa Fe files class C rate application (using 2011 as test year).

February 2013: Final rates established for Verde Santa Fe.

December 2014: Wells Fargo Loan paid in full, Debt Service surcharge removed from customer bills.

EXHBIT A



8/1/2009

Jason Williamson Verde Santa Fe Wastewater 6825 E. Tennessee Ave. #547 Denver. Co. 80224

RE: Effluent Water Charges & Use VSF001.03

Dear Jason:

Your letter dated June 10, 2009 ignores the main point of our meeting with you on May 8, 2009.

At the May 8th meeting, we discussed and agreed upon the length of the specified agreement to conclude on December 31, 2030. When this agreement is signed by both parties, Golf Verde Santa Fe, Inc. will pay \$0.40 per one thousand gallons for effluent water. However, we will insist on random tests to make sure that the water meets all state and federal requirements for a B+facility. Should these tests show below standard levels, we will notify you by letter to rectify these deficiencies within a fifteen (15) day period. If these corrections are not made, the contract with you will become null and void. We will discontinue accepting your effluent water.

Until said contract is signed by all parties, we will continue to pay \$0.23 per one thousand gallons of effluent water. We do not intend to pay any back charges of any kind. Golf Verde Santa Fe, Inc. has been making these payments in a timely manner. Please notify your billing representatives of this agreement.

Furthermore, we are requiring that Verde Santa Fe Wastewater clean out the sludge build up in our upper most lake #1 nearest the tenth tee once a year or as needed. The first initial clean out needs to be done prior to the signing of contract.

Sincerely Tom Bienek, Managing Partner

Golf Verde Santa Fe, Inc.

ccs: Dwight Zemp
John Clingman

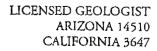
645 So. Verde Santa Fe Pkwy Cornville, Az 86325 verdesantafe.com

928-634-5454

EXHIBIT

B

CHUCK M. DICKENS CONSULTING HYDROGEOLOGIST





12330 E. SNYDER ROAD TUCSON, ARIZONA 85749 PHONE / FAX: 520-749-4124 PHONE: 520-731-6111

HYDROGEOLOGIC INVESTIGATION PLAN

Feasibility Evaluation – Effluent Disposal Utilizing On-Site Injection Wellfield

VERDE SANTA FE DEVELOPMENT COTTONWOOD, ARIZONA

Prepared For

PIVOTAL UTILITY MANAGEMENT, LLC
Mr. Jason Williamson
Denver, Colorado



August 16, 2010

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APPENDICES

Appendix A. Project Supply Wells (2) Data / Information

Appendix B. Private Well Data – ADWR 55 Well Registry Database Print-out (wells within about one mile of WWTP)



INTRODUCTION

This document has been prepared to summarize a proposed technical plan to evaluate the feasibility of disposing of treated effluent utilizing on-site injection wells for the Verde Santa Fe development. The Verde Santa Fe development is located in Cottonwood, Arizona. The wastewater treatment plant (WWTP) servicing the development generates an average of about 90,000 to 100,000 gallons per day (gpd) of treated (B+) effluent. These daily averages equate to overall average flow rates of 60 to 70 gallons per minute (gpm). Injection test wells would be constructed to determine the feasibility of disposing of treated effluent directly to the vadose zone and upper portion of the regional aquifer system. Discharging of the treated effluent via injection wells would require a WWTP upgrade from class "B+" to class "A" effluent.

The focus of this project would be limited to the evaluation of the feasibility of disposing of treated effluent thru *on-site* injection wells completed to a depth of 200 to possibly 250 feet. Treated effluent would be discharged directly to the vadose zone which occurs to a depth of about 100 to 150 feet, and the upper *unconfined* portion of the regional aquifer system which extends from the water table (depth of 100 to 150 feet) to a depth of approximately 200 to possibly 250 feet.

The Verde Formation comprises both the vadose zone and upper portions of regional aquifer system in the project area. The Verde Formation beneath the project area is comprised predominately of limestone (consolidated rock) layers and localized layers of clay. Fractures and / or solution features occurring within the limestone layers are known to support very high yields (several hundred to over 1,000 gpm) to groundwater supply wells located in the project area. This study would focus on the feasibility of injecting 90,000 to 100,000 gpd (60 to 70 gpm) of treated effluent into limestone layers occurring in the upper 200 to 250 feet of the subsurface at the WWTP site.

OVERVIEW OF HYDROGEOLOGIC CONDITIONS

The following overview of hydrogeologic conditions in the vicinity of the Verde Santa Fe development was based on review of the following references and data sources.

- Arizona Department of Water Resources (ADWR) Bulletin 2; Appraisal of Water Resources in the Upper Verde River Area, Yavapai & Coconino Counties, Arizona; March, 1983.
- ADWR 2010, 55 Well Registry Database. (Data for private registered wells within approximately one mile of the WWTP). See Figure 2 for locations of wells and Appendix B for well information.
- ADWR, 2010. 55 Well Registry Database. (Well Completion reports, logs, and pumping test data for two on-site Verde Santa Fe supply wells). See Appendix A for information and data concerning these two wells that provide water to the Verde Santa Fe development, and Figure 1 for the locations of the two wells.



 Southwest Ground-water Consultants, Inc., 1996. Hydrologic Study in Support of Application For a Water Adequacy Report, Verde Santa Fe Subdivision.

Regional Geologic Conditions

The project site is located in the Verde River Basin approximately one to 1-1/2 miles north of the Verde River (Figure 1). The Verde Santa Fe development appears to be directly underlain by the Tertiary age Verde Formation with essentially no alluvium occurring beneath the development (Figure 2). The Verde Formation reaches a maximum regional thickness of about 1,800 feet (ADWR, 1983). The upper portion of the Verde Formation is characteristically comprised (predominately) of limestone layers underlain by a middle unit comprised predominately of mudstone and a lower predominately sandstone unit. The upper limestone facies of the Verde Formation, where fractured and/or exhibiting solution features, yields well production rates reported to range upwards of 2,000 gpm (ADWR, 1983). The lower sandstone facies is also reported to be water – bearing.

Site Geologic Conditions

Driller's logs for the two on-site production supply wells provide an indication of the geologic character of the Verde Formation beneath the Verde Santa Fe development. These wells are identified as well A(15-4) 6-cbb (55-533124) and 6-bad (55-556626). Copies of the drillers logs for both wells are presented in Appendix A. Well 6-cbb was drilled to a depth of 820 feet and well 6-bad to a reported depth of 500 feet. The locations of these two wells in relation to the WWTP are shown on Figure 1.

Tables 1 and 2 present summaries of geologic conditions reported during the drilling of the two on-site supply wells. The geologic conditions presented in Tables 1 and 2 were derived from the drillers logs for the two wells. In general, the Verde Formation penetrated at both wells would be predominately characterized as alternating layers of limestone and clay to the maximum depth drilled of 820 feet. The occurrences of limestone layers above a depth of about 300 feet have been hi-lighted on Tables 1 and 2. Limestone layers occurring in the vadose zone above the water table (100 to 150 feet) have been hi-lighted in brown and limestone layers occurring below the water table in blue. The success of an on-site injection well system for disposing of treated effluent would depend on the *fluid intake capacity* of the limestone layers occurring above a depth of about 250 feet. Limestone layers above a depth of about 250 feet were noted in the well drillers' logs to range from a few feet upwards to about 60 feet thick, with an overall average layer thickness of about 10 to 15 feet.

Groundwater Levels / Conditions

The depth to first groundwater at the two on-site production supply wells was noted at about 100 and 142 feet during well drilling operations conducted in the 1990's. It is assumed that the first discernible groundwater reflects the water table or phreatic surface. However, as evidenced by the two on-site *artesian* production wells, groundwater at



deeper depths within the Verde Formation occurs under confined (pressure) conditions. Both of the on-site supply wells completed to depths of 500 and 820 feet exhibit artesian conditions. The artesian condition of the two wells indicates that the piezometric surface reflective of pressure conditions within the Verde Formation, at depth, is at an elevation that is above land surface. In 1996 the two on-site wells were reported to be free flowing at rates ranging from 50 to 150 gpm. It is not conclusively known at what depth confined and artesian groundwater conditions may occur beneath the project site. However, it is assumed that confined conditions probably occur below a depth of approximately 250 feet. It is further assumed that pressure conditions within the confined portion of the aquifer system probably increase with depth.

Regional groundwater level elevation contours prepared by the ADWR in 1983 indicate that, on a regional scale, groundwater flows from north – northeast to south – southwest beneath the Verde Santa Fe and toward the Verde River. Figure 2 illustrates the contours prepared by the ADWR and the apparent – overall direction of regional groundwater flow.

Aquifer Conditions

The Verde Formation comprises the primary aquifer system in the project vicinity. Groundwater occurs and migrates primarily within and thru fractures and solution features that dissect limestone layers occurring throughout the Verde Formation. The top of the aquifer system beneath the Verde Santa Fe is defined by the first occurrence of groundwater that appears to occur at a depth ranging from about 100 to 150 feet. The depth to the bottom of the aquifer is not known but would be expected to approach at least 1,000 feet or more beneath the Verde Santa Fe. The aquifer system beneath the property is comprised of alternating layers of limestone and clay. Limestone layers appear to range from a few feet thick to upwards of more than 50 feet thick (Tables 1 and 2).

The upper limestone facies of the Verde Formation has been reported to support well yields approaching 2,000 gpm. The two on-site supply wells are apparently equipped with pump units capable of producing upwards of about 350 gpm. The two supply wells are reportedly completed to depths of 500 and 820 feet. It is probable that most of the groundwater produced from the on-site supply wells is derived from the deeper confined portion of the aquifer system. Previous pumping test data and hydrologic analyses indicate a moderate transmissivity value for the Verde Formation penetrated by the on-site supply wells. Pumping test data were previously utilized by Southwest Ground-water Consultants Inc. to compute an aquifer transmissivity value of about 3,200 gpd/ft.

SUBSURFACE INVESTIGATION PLAN - Injection Well Feasibility Evaluation

The following plan has been developed to evaluate the feasibility of disposing of treated effluent via injection wells constructed at the WWTP facility. The proposed plan includes the construction and testing of two injection test wells and one monitor well. The conceptual locations of the three wells are shown on Figure 3. The final locations of



wells would depend on equipment access. The two injection test wells would be completed to a depth of about 200 to no more than 250 feet. The injection wells would ultimately be utilized to evaluate the *fluid intake capacity* of limestone layers occurring in the vadose zone and the upper unconfined portion of the aquifer system. The monitor well would be completed to a depth of about 350 feet and utilized to evaluate and monitor groundwater conditions including hydrostatic pressures and groundwater chemistry.

Detailed information concerning subsurface geologic conditions, groundwater levels / pressures, fluid intake capacities of limestone layers, injection capacity of individual injection wells, hydraulic aquifer properties and groundwater chemistry would be developed during the drilling and testing of the three wells. The primary goal of the investigation would be to determine if a shallow injection well(s) system completed within the WWTP compound would, in fact, be physically capable of disposing of 90,000 to 100,000 gpd of treated effluent.

Monitor Well - Proposed Construction Details

The proposed monitor well would be drilled, constructed and test pumped before the construction of the two injection test wells. The monitor well would be drilled using the air-rotary drilling method. During the drilling of the monitor well, the depth of the water table (first groundwater) and depth occurrence of confined groundwater conditions would be determined. In addition, detailed information concerning subsurface geologic conditions would also be developed, directly beneath the WWTP, during the drilling of the monitor well.

Over the long-term the proposed monitor well would be constructed to evaluate groundwater conditions occurring in the aquifer zone immediately below the proposed injection zone. Specifically, it is assumed that the monitor well would provide data concerning the upper portion of the confined zone of the regional aquifer that would be directly below the shallower - unconfined portion of the aquifer proposed for receiving the injected effluent. It is assumed that the monitor well will exhibit a water level higher in elevation than the injection test wells, indicating a potential for upward migration of groundwater as opposed to a downward migration potential. Monitoring of the monitor well during injection testing of the shallower injection wells will also confirm the degree of (or lack of) hydraulic communication between the shallow unconfined portion of the aquifer system and the upper portions of the deeper confined zone.

The proposed monitor well would be constructed to a depth approaching 350 feet. The final depth of the monitor well would depend on subsurface geologic and groundwater conditions encountered during actual drilling operations. The well would be completed with six inch steel casing cemented to a depth of about 300 feet or about 50 feet above the final depth of the well. Production casing would consist of four inch pvc casing installed to a depth of about 350 feet. PVC screen sections would be placed below the cemented six inch casing. Proposed design details for the confined - zone monitor well are presented on Figure 5.



The monitor well would be completed to a depth of about 150 feet below the bottom of the injection wells. The wellhead of the monitor well would be designed and completed with discharge piping and flow control valve to accommodate artesian conditions if encountered.

Injection Test Wells - Proposed Construction Details

Injection test wells would be drilled using the conventional air-rotary drilling method to a depth of at least 200 feet. The design depth of injection wells would be based on subsurface geologic conditions observed during the initial drilling of the monitor well and during drilling of the actual injection wells. The upper approximate 40 feet of each test well would be completed with 10 – inch steel casing cemented in-place. Production casing would consist of six inch pvc casing installed to near the total drilled depth of the well. PVC screen would be placed sporadically throughout the well-bore based on the depth occurrence of limestone layers. Screen openings would be 0.125 inches in width. The well annulus would be filled with gravel pack material (Tacna gravel). A schematic illustrating the proposed design of the injection test wells is presented on Figure 4.

Injection test wells, as designed, could potentially be utilized as final - permanent injection wells depending on fluid intake capacities.

Well Injection / Pumping Tests

Following the construction of all three wells, a test pump would be installed to further develop and eventually test pump each well and to allow collection of water samples for chemical characterization of groundwater conditions. The test pump would be a unit designed to fit and operate within four to six inch diameter casing. The test pump(s) would be selected based on groundwater discharge rates observed during the drilling and air-lift development of each well. It is probable that test pump units will be 5 hp (or less) single - phase electric units with the capability to pump from 10 to upwards of 50 to 60 gpm. Test pumping of wells, including additional development time, would probably require 24 to no more than 48 hours per well.

Injection tests would be conducted at both injection test wells to determine the injection capacity of wells and to evaluate the potential intake capacity of limestone layers penetrated by the well. A variable rate injection test would initially be conducted on each well to evaluate head build up versus injection rate. The variable rate test would probably require a period of about 24 hours for each well. Following the variable rate test, a longer term constant rate injection test would be conducted. The duration of the constant rate test would probably require 3 to 5 – days. It should be understood that the duration of the injection tests would depend on actual water level and / or pressure measurements compiled and analyzed during the tests.

The source water for the injection tests would be potable water from the Verde Santa Fe water system. It is assumed that injection tests might require flow rates ranging from about 20 to 50 gpm per well to upwards of a maximum rate of 75 gpm. As previously



discussed, the primary goal of the study would be to determine if shallow injection wells completed within the WWTP compound might be capable of disposing of upwards of 90,000 to 100,000 gpd (60 to 70 gpm) of treated effluent. As indicated, two to three wells with injection capacities approaching 35 to 50 gpm per well, would be capable of disposing of upwards of 100,000 gpd.

During both the pumping and injection testing of wells, water levels in the non-operating wells (observation wells) would also routinely be measured to provide additional data for evaluating aquifer hydraulic properties and overall lateral and vertical hydraulic communication.

Groundwater Quality Characterization

Groundwater samples would be collected from all three wells and analyzed for select chemical compounds, as required, to adequately define baseline conditions. Groundwater samples would be collected from each well near the end of the test - pumping period. Groundwater samples would probably be collected after at least 24 hours of pumping.

HYDROGEOLOGIC REPORT

Following the completion of the injection well testing program, a comprehensive report would be prepared. The report would include a summary and analyses of all collected data / information, a detailed summary of well as-built details and well testing methods, procedures, and results, a discussion of hydrogeologic conditions and interpretations, and technical opinions concerning the feasibility of utilizing a shallow on-site injection wellfield system to dispose of treated effluent.



TABLE 1

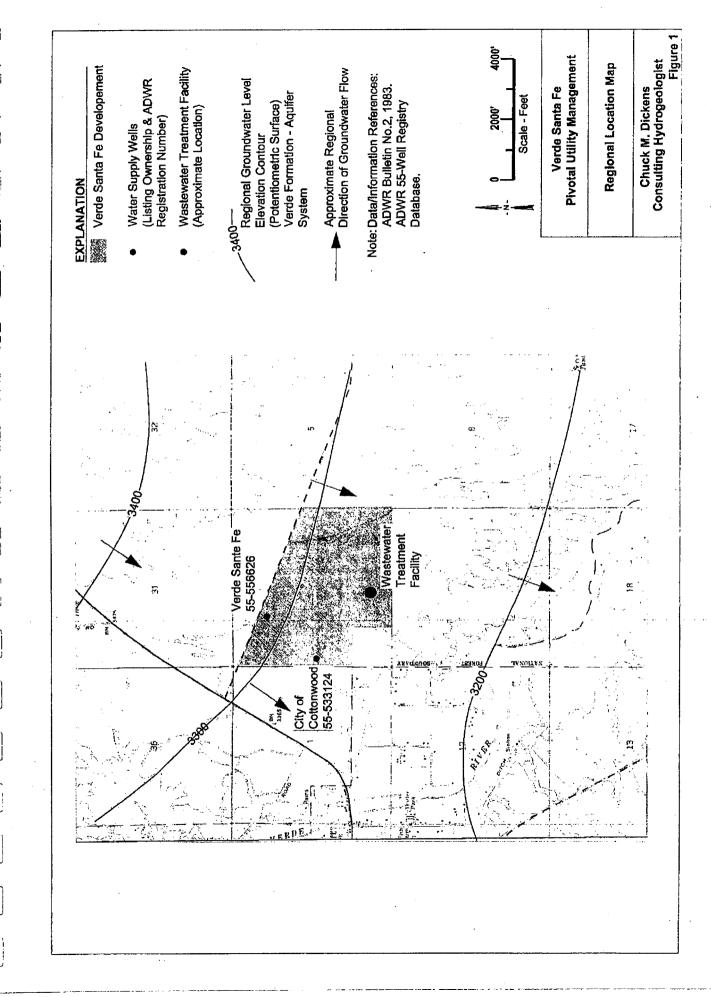
Interval - ft	Descriptiohn of Geologic Material Penetrated
0-3	Top Soil
3 - 6	Clay
6 - 15	Limestone
15 - 30	Clay
30 - 37	Limestone
37 - 58	Clay
58 - 63	Limestone
63 - 65	Clay
75 - 80	Limestone
80 - 95	Clay
95 - 100	Limestone
100 - 140	Clay & Limestone
140 - 200	Limestone; fractured with first discernible groundwater
200 - 242	Clay & Limestone
242 - 267	Limestone; with additional groundwater production
267 - 298	Limestone & Clay
298 - 308	Limestone ; with additional groundwater production
308 - 315	Sand
	Limestone; thick timestone layer with additional groundwater production
315 - 485	
485 - 500	Limestone: Pink with traces of basalt
Expla	ination: Limestone layer in vadose zone
	Limestone layer below water table and above 300 ft.

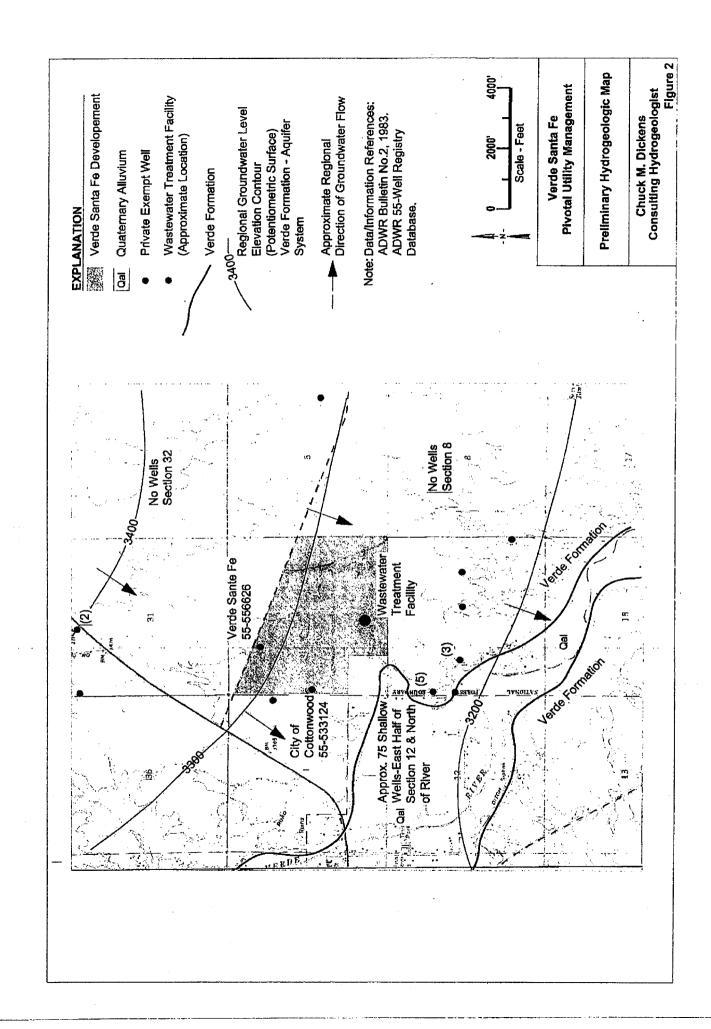


TABLE 2

Depth Interval - ft	Description of Geologic Material Penetrated
0 - 5	Limestone
5 - 7	Clay
7 - 10	Limestone
10 - 18	Clay; Brown
18 - 24	Boulders - white lime
24 - 56	Clay; Brown with some brown rock
56 - 67	Clay & Limestone
67 - 85	Clay; Brown with some brown rock
85 - 90	Limestone
90 - 92	Clay
92 - 97	Limestone 25
97 - 104	Limestone; First discernible groundwater
104 - 121	Clay & Brown Rock
121 - 123	Limestone
123 - 136	Clay
136 - 147	Limestone & Clay; With additional groundwater production
147 - 155	Limestone; With additional groundwater production
155 - 163	Clay
163 - 167	Limestone; With additional groundwater
167 - 171	Clay
171 - 203	Limestone; With additional groundwater and thin layer of red sandstone
203 - 207	Clay
207 - 210	Limestone







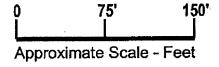
Explanation

- Injection Test Well (Vadose Zone & Upper Unconfined Aquifer Zone)
- Monitor Well (Upper Portion of Confined Aquifer Zone)

Tract "C"
Wastewater Treatment
Plant

(Approximate Boundaries)

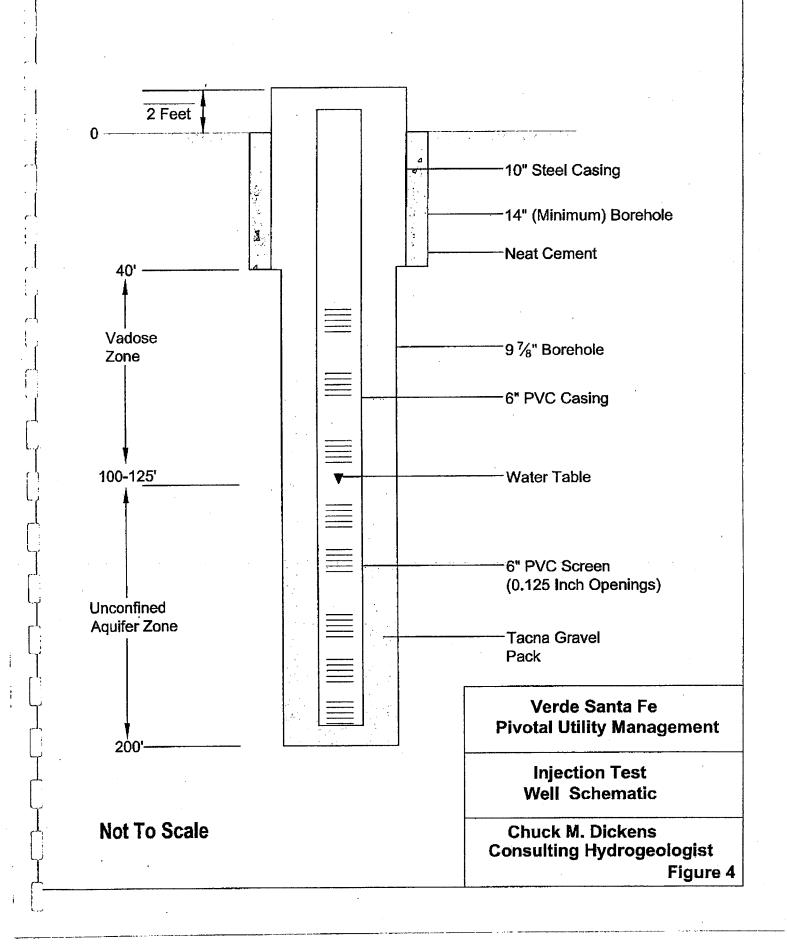
Reference Map: Preliminary Plat - Verde Santa Fe South By ASL Sierra Consulting Engineers, 1996.

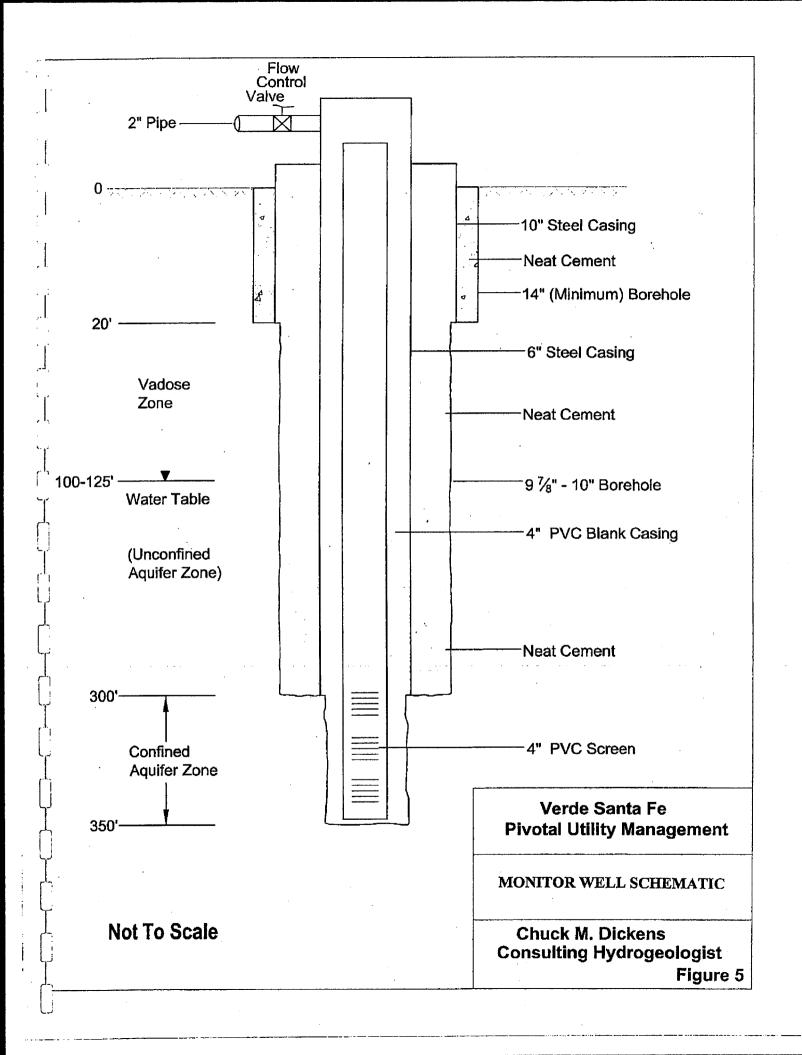


Verde Santa Fe Pivotal Utility Management

Conceptual Location of Injection Test Wells & Confined Zone Monitor Well.

Chuck M. Dickens
Consulting Hydrogeologist
Figure 3





APPENDIX A

PROJECT SUPPLY WELLS (2) DATA / INFORMATION

Well 55-533124 (Owned by City of Cottonwood)

- Well Completion report
- Driller's Log
- Pumping Test Data

Well 55-556626 (Owned by Verde Santa Fe Enterprises)

- Well Completion Report
- Driller's Log

ARIZONA DEPARTMENT OF WATER RESOURCES

15 South 15th Avenue Phoenix, Arizona 85007

55-533124

WELL DRILLER REPORT

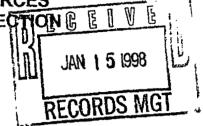
This report should be prepared by the <u>driller</u> in all detail and filed with the Department within 30 days following completion of the well.

					· . · · · · · · · · · · ·		٠,	9.5
1.	Owner Name:	-Verde Sant						
	Address:	2425 E Cam Street	-	C	z (# 1 z . 85 0 Sta) 16	- Zip	
2.	Driller Name	Verde Vall	ow Moll Di			_		
٠.	Address:		1160 Car	n Verde	Artz 863	22		
		Street	2200	City	Sta	te	. Zip	'0 -
			:					2000
3.	Location:	15 N/S Township	4 E/W	6	SW 1/4 N	1/4	=W 1/4	
		f Township	Range		10-acre	40-acre	160-acre	•
4	Wall Designer	ion No. 55- <u>53</u>	1.				•	
4.	Wen Kegishai	TOIL 140: 22-7-3	3124	· · · · · · · · · · · · · · · · · · ·	(requires)		•	
5.	Permit No			(If iss	sued)			• •
			• • •	PTION OF			•	٠.,
			•				.•	
6.	Total depth of	hole 8214		IL.	•			
7.	Type of casing	<u>stee</u>	<u> </u>				<u> </u>	
8.	Diameter and	length of casing_	in fro	om	to	in fr	om	to
9.	Method of sea	ling at reduction	points	7				
10.	Perforated fro	mto	, from _	to	, from _	to _	<u></u> *	
				•	<u> </u>			
11.	Size of cuts _		Numt	per of cuts p	er foot			!!
12	If screen was	- installed: Length	1	ft. Diam		in. Type		
12	If screen was	- installed: Length	1	ft. Diam		in. Type		
12	If screen was	_ '	1	ft. Diam		in. Type		
12. 13.	If screen was Method of con	installed: Length	(drilled, dug, d	ft. Diam		in. Type		
12. 13.	If screen was	installed: Length	(drilled, dug, d	ft. Diam		in. Type		
12. 13. 14.	If screen was Method of condition Date started_	installed: Length nstruction 9/26/9 Month	(drilled, dug, d	ft. Diam	etted, etc)	in. Type		
12. 13.	If screen was Method of condition Date started_	installed: Length instruction 9/26/9 Month ed 9/16/92	(drilled, dug, d	ft. Diam	etted, etc)	in. Type	Year	
12. 13. 14.	If screen was Method of condition Date started	9/26/9 Month ed 9/16/92 Month	(drilled, dug, d	ft. Diam riven, bored, j Da	etted, etc)	in. Type	Year Year	
12. 13. 14. 15.	If screen was Method of con Date started Date complete Depth to wate	installed: Length nstruction 9/26/9 Month ed 9/16/92 Month er	(drilled, dug, d	ft. Diam riven, bored, j Da	etted, etc) ay ft. (If fic	in. Type	Year Year State)	
12. 13. 14. 15.	If screen was Method of con Date started Date complete Depth to wate	9/26/9 Month ed 9/16/92 Month	(drilled, dug, d	ft. Diam riven, bored, j Da	etted, etc) ay ft. (If fic	in. Type	Year Year State)	
12. 13. 14. 15. 16. 17.	If screen was Method of con Date started Date complete Depth to wate Describe poin	9/26/9 Month ed 9/16/92 Month er at from which dep	(drilled, dug, did it /	ft. Diam riven, bored, j Da nts were ma	ay ft. (If flo	in. Type	Year Year state) tion if avails	able
12. 13. 14. 15. 16. 17.	If screen was Method of con Date started Date complete Depth to wate Describe poin	installed: Length nstruction 9/26/9 Month ed 9/16/92 Month er	(drilled, dug, did it /	ft. Diam riven, bored, j Da nts were ma	etted, etc) ay ft. (If fic	in. Type	Year Year state) tion if avails	able
12. 13. 14. 15. 16. 17.	If screen was Method of con Date started Date complete Depth to wate Describe poin	9/26/9 Month ed 9/16/92 Month er at from which dep	(drilled, dug, did it /	ft. Diam riven, bored, j Da nts were ma	ay ft. (If flow 381bs flow	in. Type	Year Year state) tion if availa	ible
12. 13. 14. 15. 16. 17.	If screen was Method of con Date started Date complete Depth to wate Describe poin If flowing we	9/26/9 Month ed 9/16/92 Month er at from which dep	(drilled, dug, did it /	ft. Diam riven, bored, j Da nts were ma	ay ft. (If flow 381bs flow	in. Type	Year Year state) tion if availa O g . p . m .	ible
12. 13. 14. 15. 16. 17.	If screen was Method of con Date started Date complete Depth to wate Describe poin If flowing we	9/26/9 Month ed 9/16/92 Month er at from which dep	(drilled, dug, did it /	ft. Diam riven, bored, j Da nts were ma	ofted, etc) ay ft. (If flow) de, and give sea	in. Type	Year Year state) tion if availa 0 g p m. IN THIS SPA RECORD	able
12. 13. 14. 15. 16. 17.	If screen was Method of con Date started Date complete Depth to wate Describe poin If flowing we	9/26/9 Month ed 9/16/92 Month er at from which dep	(drilled, dug, did it /	ft. Diam riven, bored, j Da nts were ma	ay ft. (If flow 381bs flow	in. Type	Year Year state) tion if availa O g . p . m .	able
12. 13. 14. 15. 16. 17.	If screen was Method of con Date started Date complete Depth to wate Describe poin If flowing we	9/26/9 Month ed 9/16/92 Month er at from which dep	(drilled, dug, did it /	ft. Diam riven, bored, j Da nts were ma	ft. (If flode, and give sea	in. Type	Year Year state) tion if availa 0 g p m. IN THIS SPA RECORD	able

STATE OF ARIZONA

ARIZONA DEPARTMENT OF WATER RESOURCES

500 North Third Street, Phoenix, Arizona 85004-3903 Phone (602) 417-2470



	(Pump Installation Report)	CI	R	ECORDS	MGT
1.	Per A.R.S. § 45-600, the Completion Report is to be filed with the Depa equipment by the registered well owner.	oriment within 30	days aff	er installatio	n of pum
2.	Drawdown of the water level for a non-flowing well should be measured operation. For a flowing well the shut-in pressure should be measured inch at the land surface.				
3.	The static groundwater level should be measured in feet from the land st	urface immediate	y prior t	o the well ca	pacity test
4.	The tested pumping capacity of the well in gallons per minute for a non- the discharge of the pump after continuous operation for at least 4 hours flow at the land surface.				
REGIS	STRATION NO: 55- 533124	FILE NO:	A	(15-4)	6CB
LOCA	ATION OF THE WELL:				
	1 -	. 1	_	1. 1	
Towns	Ship Range Section	14 Nu	1/4 N 40-	100 1/4_ acre 1	5₩ 60-асте
EQUIF	PMENT INSTALLED:				
Kind of	pump SUBM. TURBINE Kind of power				
	Turbîne, submersible, centrifugal, etc.	(Electric,	natural g	as, gasoline	, etc.
H.P. Rat	ting of Motor 40 Pumping Capacity 350	Date Pun	p Install	led 9-20	-97
WELL	. TEST:				
Test pui	mping capacity 350 Date Well Tested:_	10-19-9	7		
Method	of Discharge Measurement UEIR. Weir, orifice, current m	ieter, etc.			
Static G	Groundwater Level FLOWING #L Drawdown	207			fL

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief. 895 W. Signature of Well

ft. Drawdown

Date

lbs.

DWR 55-56 (Rev 10/95)

ENTERED JAN 2 2 1998

(Flowing Well)

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encounterd, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	5	white lime rock
5	7	brown clay
7	10	white lime rock
10	15	brown clay
15	18	brown clay
18	24	white lime boulders
24	35	brown clay
35	36	brown clay
36	38	brown rock
38	49	brown clay
49	56	brown clay
56	67	brown clay white limestone rock
67	78	brown clay
78	80	brown rock
80	85	brown clay
85	87	white limestone rock
87	90	white limestone rock
	62	brown clay
9.2		white limestone rock
97	104	white limestone rock water
104	107	red rock brown clay
107	114	brown clay brown rock
114	116	brown clay brown rock
_116	119	brown clay
119	121	red rocks
121 *	123	white limestone rock
1230	126	brown clay
120	136	brown clay
136	147	brown clay white limestone rock water
147	153	white limestone rock water
158	155	brown clay white limestone water rock
155	163	brown clay
169	167	white limestone rock water

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

D	riller Name: <u>Verde Va</u>	Mey Well	I willing
ļ	P. O. Boxesl 160 sCar	mp Verde	Ariz. 86322
是我的人工工程的	at att City or a	State	Zip

· Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From	То	Description of formation material	
(feet)	(feet)		
167	171	brown clay	
171	175	white soft limestone rock water	
175	185	white limestone rock water	
185	188	white limestone rock water	
188	192	white limestone rock water	
192	198	white limestone rock water	
198	200	red sandstone	
200	201	limestone rock water	
201	203	1fmestage rock water	
203	207	brown clay	
207	208	white limestone water rock	
208	210	white limestone water rock	
210	212	brown clay	
212	216	witte limestone rock	
216	219	white limestone rock	
219	222	white limestone rock	
222	229	white limestone rock water	
229	231	white limestone rock water	
231	236	white limestone rock water	
236	246	white limestone rock	
246	270	white limestone rock water	
270	272 W	white limestone	
272	275	brown soft rock lime	
275	278	rock white limestone rock	
278	282	brown limestone soft rock	
282	284	white limestone rock	
- 284	286	soft brown limestons rock	
286	289	white limestone soft rock	
289	297	brown limestone soft rock 5	
297	313	white lime rock	
313	318	white limestone rock water	
318	422	white limestone rock water	
422	431	white lime soft rock	

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

	Driller Name: Verde Valley Will Spile	مرے ہے۔
	1.0.00 1160 Street	/
•	CAMP Viede bran 86322	
	Date 12-22-92 State Zip	

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encounterd, and depth to which it rose in well.

From	To	Description of formation material
	(feet)	Description of for mation material
(feet)	(teet)	
431	434	white soft lime and rock &brown soft lime
434	440	brown lime rock and white lime rock
440	449	white lime rock and brown lime
449	454	soft white lime and white lime rock
454	459	soft white lime and white lime rock
459	463	white lime rock
463	467	whtie lime rock
467	473	white lime rock and brown clay
473	479	brown clay white lime soft
479	488	brown clay and brown lime rock
488	490	brown lime rock
490	494	brown lime rock white lime rock
494	496	brown lime clay
496	500	brown clay, brown lime rock
500	510	brown line rock and brown clay
510	519	brown lime rock and brown clay
519	526	brown clay and brown lime rock
526	531	brown clay and brown line rock
531	536	brown clay and brown lime rock
536	542	brown clay and brown line Tock
542	546	brown clay and brown line rock
546	549	brown clay and brown lime rock
549	554	brown clay and brown line rock
554	562	brown lime rock
562	568	brown lime rock and clay
568	572	brown clay and lime rock
572	576	brown clay and lime rock
576	582	brown clay and lime stone
582	590	brown clay and limestone
590	595	brown clay and limestone UAN 25 1993
595	600	brown clay and limestone
600	606	brown clay and rock
606	610	brown rock and clay

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

MICROFILME	Priller Name:		
Minim irnir	eet	-	٠.
•	City	State	Zip

LOG OF WELL

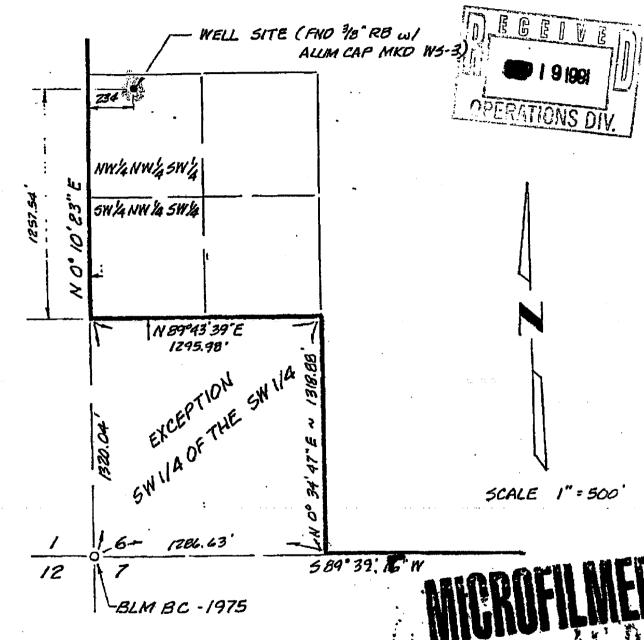
Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL				
610	642	brown clay and rock				
642	699	brown limestone rock				
699	703	brown limestone rock				
703	757	white limestone rock				
757	761	brown clay limestone				
761	764	white clay limestone				
764	765	brown clay limestone				
765	768	brown clay limestone				
768	776	brown clay				
776	778	brown clay				
778	780	brown clay				
780	786	brown clay				
786	820 ¹ 5	red sandstone clay and soft rock				
· · · · · · · · · · · · · · · · · · ·						
		JAN 25 1993				



JOE JONES & ASSOCIATES, INC.

Land Surveying * Civil Engineering



REV 99.91 EF ADD WELL WS.3

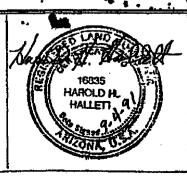
WELL SITE SURVEY

LOCATED IN THE SWI/4 SECTION 6

T IS N , R4E , G! SRB! M

YAVAPAI COUNTY , ARIZONA

FOR REPUBLIC COMPANIES



DESIGN HH

DRAWN EF ..

JOB No. 90-18

DATE 9-4-91

SHEET I OF I

709 Mingus * Suite 401 * P.O. Box 130

Cottonwood, Arizona 86326 * (602) 634-5889



DWR 55-71A (REVISED 03/20/03) Page 1 of 1

Arizona Department of Water Resources
Groundwater Management Support Section
P.O. Box 458 - Phoenix, Arizona 85001-0458

Request to Change Well Information

(602) 417-2470 • (800) 352-8488		_				i
www.water.az.gov		<u> </u>	THE	1.11		
Review instructions prior to completing form in black or bl	ue ink					
You <u>must</u> include with your Notice:		AUG -	2005		REGISTRATIO	MAI MARKO
check or money order for any required fee(s)		1100	AULT:		533124	
 Authority for fee: A.A.C. R12-15-151(B)(4)(a), A.R.S. § 4 	5-113(B)	nitrone in the same in		33 -	33316	
"PLEASE PRINT CLEARLY"						
SECTION SECTION SECTIONS SENSITIVE (COST) SECTION SECT	A TOTAL CONTRACT OF THE PARTY OF				7,517	the fact which the part of the
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	WELL LOCAT	ION ADDRES	S (IF ANY)	الماسية بالمالية المالية	arris y kaong jedyna i ma bet ny sy'n fan	
CITY OF COTTONWOOD	A-1	5-0-4	-0.6C	BB		
MALING ADDRESS	TOWNSHIP (N/5)	RANGE (EM	SECTION	160 ACRE	40 ACRE	10 ACRE
827 N MAIN ST	15N	4E	6	Sm %	NEW 1/2	NW1/A
CITY / STATE / ZIP COOL	LATITUDE	- 1	14. -	LONGITUDE	: . ! • !	"wr
C- TOUR 1200 AZ 81-371	Degrées	Minutes	"N Seconds	Degrees	Minutes	Seconds
COTTONWOOD AZ 86326	COUNTY AS	SESSOR'S PA				
ROBERT B HARDY ASS'T CITY MER	воок	}	MAP		PARCEL	!
TELEPHONE MUMBER FAX	 				<u>L</u>	
978-634-5526 928-634-5520	COUNTY WH	EREWELL IS	LOCATED			,
	4	HUHTH	<u> </u>			
		STREET				
Change of Well Drilling Contractor Change of Well	Ownership			ge of Well		
(Fill out Section 2) (Fill out Section	3)		(location,	use, etc.)	(Fill out Se	ection 4)
	1774		31072			
SECREPHORIZATIONES PARAMETER PROPRIEMENTO	N. STERNOLLY	nd income out	PARTITION !	to the new	2	10 FEE
 If drilling or abandoning a well, the Department must receive the drilling firm prior to the commencement of well drilling or aband 	is request at connect.	United Sin	u (OI IZOUOII	W WO HOW		
Current Well Drilling Contractor		Ebrilling 3	ortiacto			
FUIL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	FULL NAME	OF COMPANY	, ORGANIZA	10N, OR INDI	VIDUAL]
				T 655 USES		,
DWR LICENSE NUMBER	DWR LICENS	SE NUMBER			SE CATEGORY	'
	TELEPHONE	NIMBER	Laun.	ETED A		
TELEPHONE NUMBER FAX			OUMPI	ETED A	lie - o	
	<u> </u>				4 9	2005
SECTION SISTATEMENT OF CHANGE DEWELL DWINE	eshib (1)	Fin Reg	(16d) Tre		11-12-13 S	10 FEE
If this change pertains to more than one well and the names at	e the same,	only one >	U lee is lee	guneu.	Andrew Come and come	16.440-7.55
FIRMOUS WATEOWNER FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	FULL NAME	OF COMPANY	, ORGANIZA	TION, OR IND	VIDUAL	
VEPNE SOATA FE LLC	CITY	OF COT	TONIWO	OD		
MALING ADDRESS	DA BALIAM	DRESS		***		
895 W ELLOCOD	827	N HAII	<u>U 5T</u>			
CITY / STATE / ZIP CODE	1 🔺	E/ZIP CODE	. ^~	01 221		
PHOENIX, AZ 85041	Cotto	NW00	D At	86324	<u> </u>	
CONTACT PERSON NAME AND TITLE			ייייי מאה: אל	Assy cit	VULP	
	TELEPHONE	TB HA	cn)	FAX		
TELEPHONE NUMBER FAX	1			928-634	4-5520	
SECTION CHANGE OF WELLINFORMATION INCTER REPUISO						
NOTE: Applies only to wells that have already been drilled. For proposed wells, an amended Notice of Intent to Drill a Well must be filed.						
EXPLAIN						
I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief. TYPE OR PRINT NAME AND TITLE SIGNATURE OF WELL OWNER DATE						
	TYPE OR PRINT NAME AND TITLE					
TYPE OR PRINT NAME AND TITLE ROBBET B HOROY ASS'T CITY MGR	SIGNATURE	A DI R	Third	,		•

TABLE 1 3.5 DAY AQUIFER TEST, MAY 13, 1996

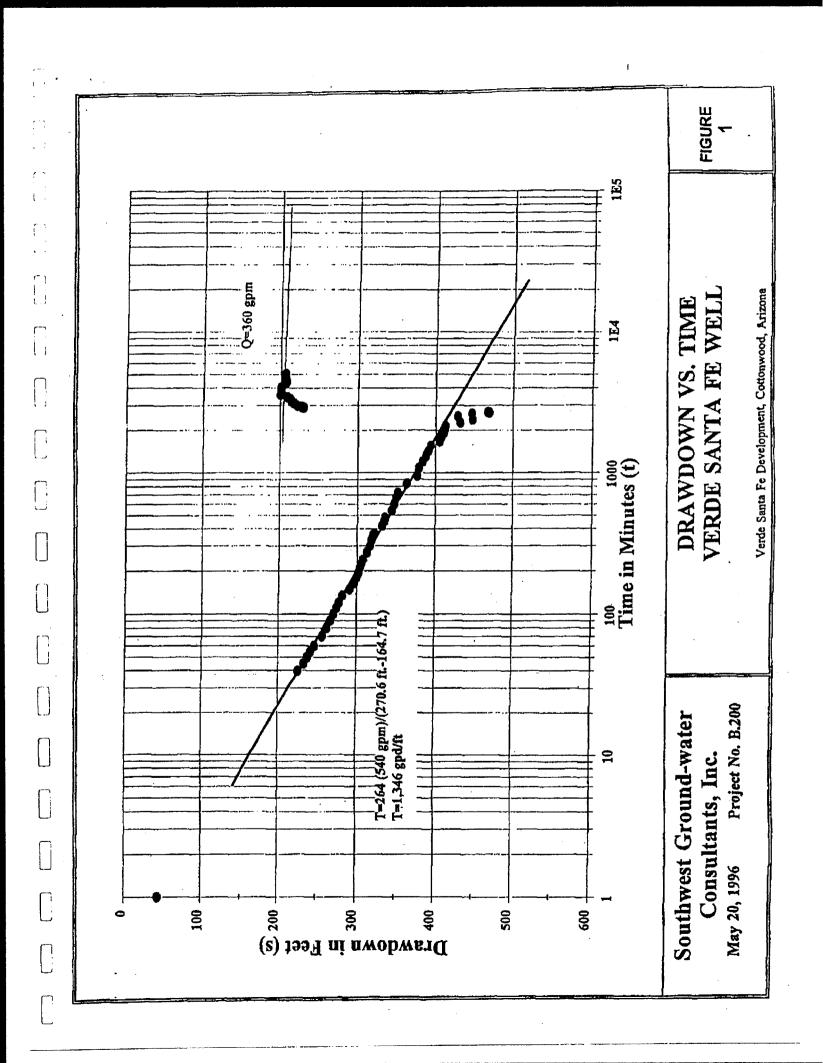
Clock		Water	Discharge	Alrline	Specific
Time	Time	Level	Rate	Pressure	Capacity
(min)	(min)	(ft)	(gpm)	(psi)	(gpm/ft)
1030	0	flowing	0	285	
1031	1	44.32	850	240	
1032	2 3		850 841	248	
1033	3 4		821	236 227	1
1034 1035	5		797	219	
1035	5 6		752	213	1
1037	7		731	210	4
1037	8		687	208	
1030	9		647	206	
1040	10		616	205	
1042	12		540	205	
1044	14		540	204	ľ
1046	16		540	203	
1048	18		540	201	- 1
1050	20		540	200	1
1055	25		535	198	f
1100	30 .		535	196	l
1105	35		540	193	- [
1110	40	225.57	540	190	2.39
1115	45	233.14	540	187	2.32
1120	50	237.81	540	186	2.27
1125	55	242.19	535	184	2.21
1130	60	246.76	540	182	2.19
1140	70	257.1	540	177	2.10
1150	80	262.67	540	175	2.06
1200	90	267.53	540	173	2.02
1210	100	271.6	540	172	1.99
1220	. 110	275.21	540	169	1.96
1230	120	278.32	540	168	1.94
1245	135	282.62	535	167	1.89
1300	150	291.65	540	164	1.85
1315	165	296.73	540	161	1.82
1330	180	300.03	540	160	1.80
1345	195	302.26	540	159	1.79
1440	210	304.07	540	159	1.78
1415	225	306.22	540	158	1.76
1430	240	307.5	535	157	1.74
1500	270	312.78	540	155	1.73
1530	300	311.05	340	154	1.70
1600	330	318.86	540	152	1.69
1630	360	320.89	540	152	1.68
1700	370	322.77	535 640	150	1.66
1730	420	332.51	540 540	149	1.62
1800	450	334.96	540 540	147	1.61
1830	480	336.35	540 540	146	1.61
1930	540	344.65	540 540	144	1.57
2030	600	347.82	540	142	1.55
2130	660	349.89	540	141	1.54
2230	720	352.36	535	141	1.52
0030	840	363.75	540	136	1.48
0230	960	376,53	540	130	1.43
0430	1080	378.97	540	130	1.42

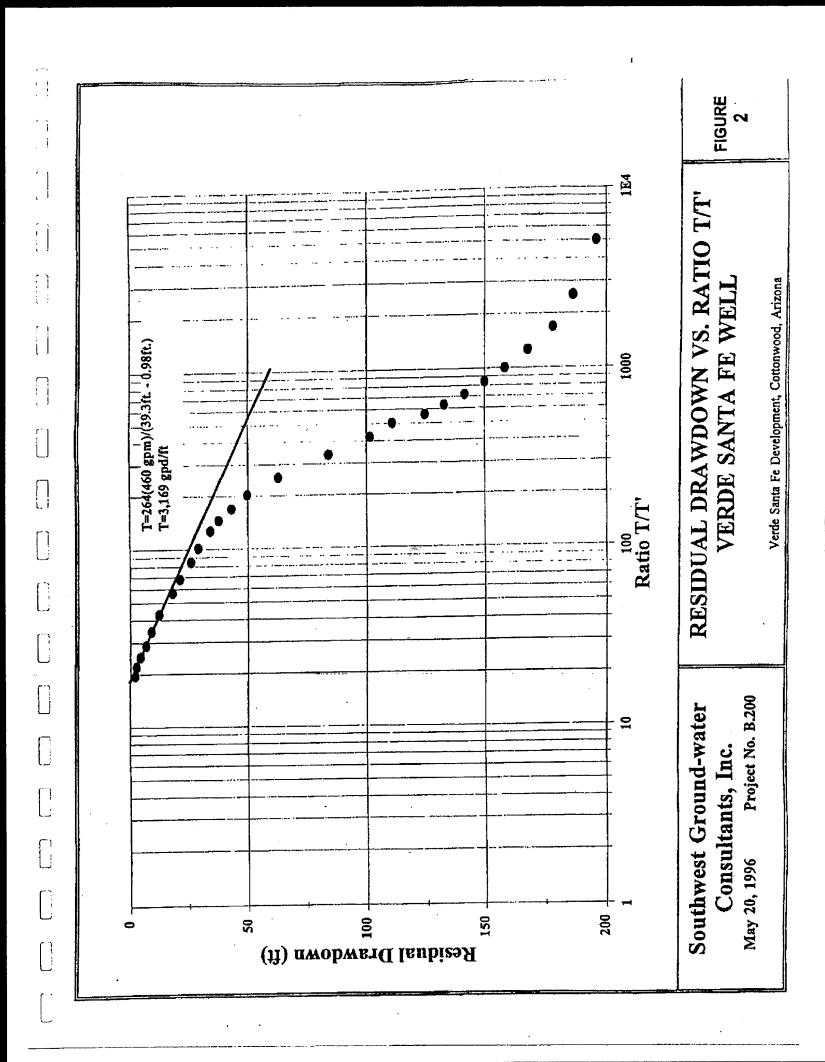
TABLE 1 3.5 DAY AQUIFER TEST, MAY 13, 1996

г	Clock	Pumping	Water	Discharge	Airline	Specific
- 1	Time	Time	Level	Rate	Pressure	Capacity
- [(min)	(min)	(ft)	(gpm)	(psi)	(gpm/ft)
ŀ	0630	1200	383.85	535	127	1.39
ł	0830	1320	388.13	540	126	1.39
-	1030	1440	391.21	540	124	1.38
	1230	1560	393.67	535	123	1.36
	1430	1680	404.93	540	117	1.33
-	1630	1800	407.21	540	116	1.33
ı	1830	1920	410.46	540	115	1.32
-1					116	1.31
-	2030	2040	411.88	540		1.30
	2230	2160	412.62	535	116	
1	0030	2280	431.75	535 500	107	1.24
1	0230	2400	447.82	530	101	1.18
1	0430	2520	428.22	513	109	1.20
-	0630	2640	446.92	528	102	1.18
	0700	2670	469.96	540	93	1.15
	ຸ0730	2700	467.9	528	94	1.13
	0800	2730		535	87	ł
-	0830	2760		535	88	1
1	0900	2790		540	85	Į
	0905	2795		329	95	i
	0906	2796			115	
	0908	2798			140	ļ
	0910	2800		352	155	1
1	0915	2805		•	169	j
Ì	0920	2810		195	181	}
1	0925	2815		422/513	174	
1	0930	2820		373	188	1
	0945	2835		360	188	
	1000	2850		370	190	
1	1015	2865		482	190	1
1	1030	2880		352	190	j
	1045	2895		352	190	.].
1	1100	2910	230.29	373	190	1.62
	1130		227.68	373	191	1.64
1	1230	3000	222.15	375	193	1.69
1	1430	3120	217.65	378	197	1.74
Ì	1630	3240	214.51	370	199	1.72
1	1830	3360	212.48	370	200	1.74
	2030	3480	208.2	362	204	1.74
1	2230	3600	200	350	204	1.75
7	0030	3720	201	350	204	1.74
	0230	3840	200.8	350	204	1.74
1	0430	3960	201.15	350	204	1.74
1	0630	4080	200.41	360	204	1.80
	0830	4200	203.29	360	203	1.77
1	130	4320	207	365	20	1.76
[1230	4440	207.65	360	200	1.73
	1430	4560	207.29	370	200	1.78
	1630	4680	206.5	360	200	1.74
	1830	4800	206.37	360	200	1.74
	2030	4920	206.37	360 360		
1	2030 22 3 0	5040	206.41	360	200 200	1.75
ــــــــــــــــــــــــــــــــــــــ	-E-0U	4040	2VU.T (300	200	1.74

TABLE 2 3.5 DAY AQUIFER TEST - RECOVERY, MAY 16, 1996

Clock	T	T	'7/1"	Water	Head
Time				Level	Pressure
(min)				(ft)	(psi)
2230	5040	0		206.41	
2231	5041	1		195.97	
2232	5042	2		186.68	
2233	5043	3		178.32	
2234	5044	4		167.99	
2235	5045	5		158.63	
2236	5046	6		150.03	
2237	5047	7		141.47	
2238	5048	8		132.46	
2239	5049	· 9	•	124.24	
2240	5050	10		110.71	
2242	5052	12		101.56	
2245	5055	15		84.15	
2250	5060	20		63.13	
2255	5065	25		49.99	
2300	5070	30		43.07	
2305	5075	35		37.72	
2310	5080	40	•	34.1	
2320	5090	50		29.08	
2330	5100	60		25.91	- ,
2345	5115	75		21.31	
2400	5130	90		18.14	
0030	5160	120		12.35	
0100	5190	150		9.15	;
0130	5220	180		6.85	
0200	5250	210		4.48	
0230	5280	240		2.76	
0300	5310	270		2.2	
0330	5340	300		flowing	_
0630	5520	480			4
0830	5640	600			4
0930	5700	660			5





ARIZONA DEPARTMENT OF WATER RESOURCES

500 North Third Street Phoenix, Arizona 85004

55-556626

WELL DRILLER REPORT

	wing completion of the well.	D E G E I V E I MAY - 9 1997.
1.	NAPCO PO BOX 252 CORNVILLE AZ 86325	GROUNDWATER MGT
2.	Owner Name: <u>JERDE</u> <u>SANDA</u> <u>FE</u> <u>SOUTH</u> WANDERS: <u>875</u> W- <u>EUWOOD</u> <u>PHOENIX</u> , AZ City State Zi	<u>85041</u>
3.	Location: 150/S HB/W 14 Section	SW 14 NE 14 NW 10-acre 40-acre 160-acre
4. 5.	Well Registration No. 55-556626 Permit No. A 454 11 BAC DESCRIPTION O	(Required) (If issued) DF WELL
	DESCRII ION	or within
7. 8.	Total depth of hole Type of casing .250 WALL STEEL W SHOE Diameter and length of casing 14 in. from AGL to	2 ft. 12 in from 1'A6L to 500'
9. 10	Method of sealing at reduction points Gleck Perforated from \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	to from to
		of cuts per foot 24
		Diam in. Type
	Method of construction Druco (drilled, dug, driven, bored, jetted, etc)	
14.	Date started	96
15	Date completed 12- 26	Year
15.	Date completed 12 26 Month Day	Year
16.	Depth to water FLOWING AT 150 GPM	_ft. (If flowing well, so state)
	Describe point from which depth measurements were m	
	If flowing well, state method of flow regulation:	ENTERED MAY 9 1997
19.	Remarks: AIR DEVELOPED AT 100+6PM. OLAWOWN 300;	DO NOT WRITE IN THIS SPACE OFFICE RECORD
		Registration No. 55-556626 File No. A(15-4)11 BAC
	R-55-55-7/95 (Rev.)	Received By Entered By

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	3	TOPSOIL
3	6	CLAY
6	15	LIMESTONE
15	30	CLAY
30	37	LIMESTONE
31	58	CCAY
58	63	LIMESTONÉ
63	75	CLAY
7,5	80	LIMESTONE
80	95	CLAY
95	100	LIMESTONE
100	140	CLAY & LIMESTONE
140	170	LIMESTONE & CLAY WIWATER (142' HIT WATER)
170	200	FRACTURES LIMESTONE WIWATER
200	242	CLAY & LIMESTONE
242	267	LIMESTONE WIWATER
267	298	LIMESTONE & CLAY
298	308	LIMESTANE NIGHTER

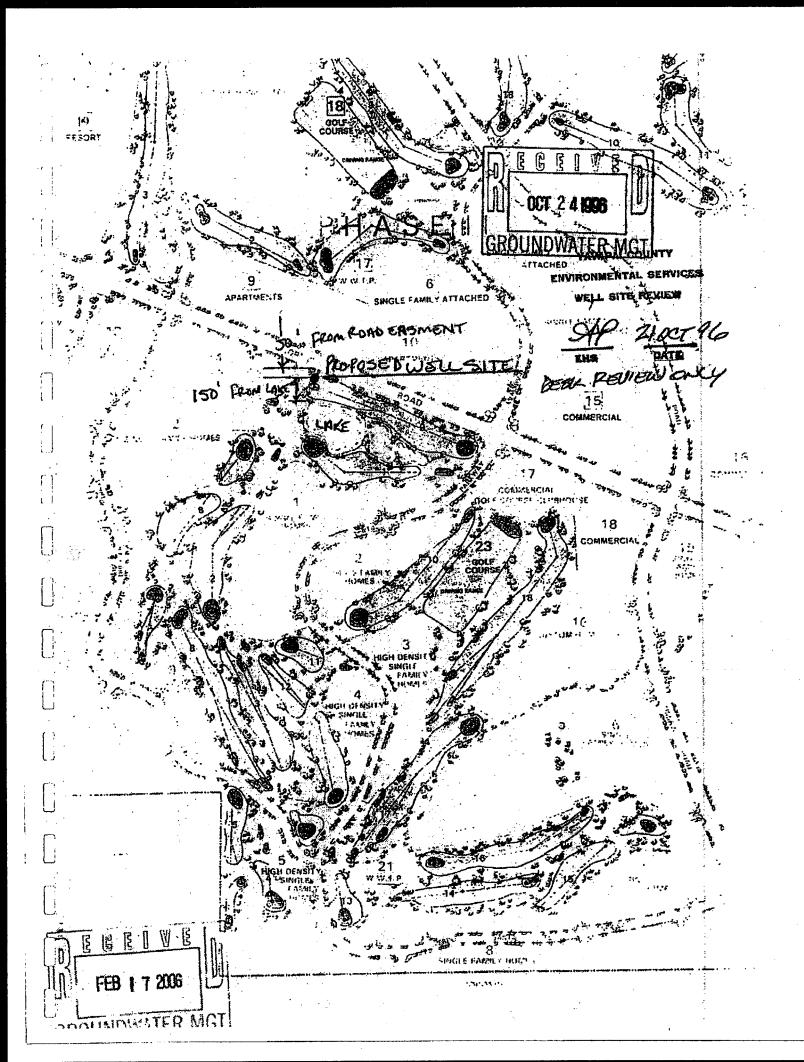
I hereby certify that this well was drilled by me(or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Signature of Driller

Phone No.

Date

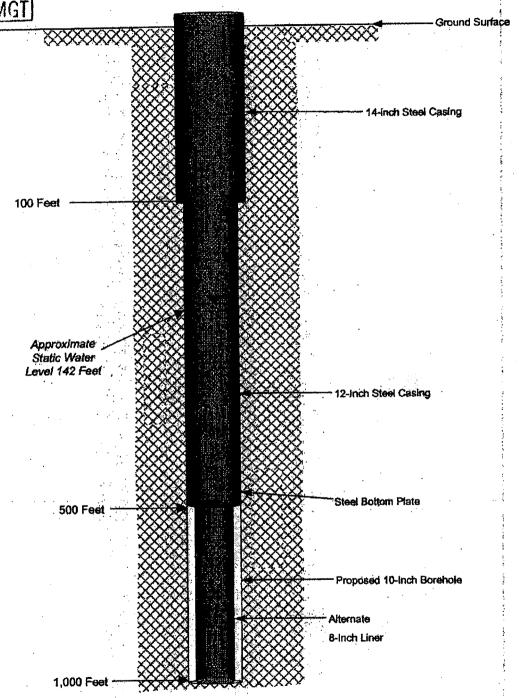
nerem contained are due to the best of my know	riedge and benefit.
108-315 SAND	Driller Name: NATHAN 5- WHITE
7.5-485 LIMESTONE WIWATER	PO 1504 752
485 500 PINK LIMESTONE WITH	Street
TRACES OF BASALT	COPNILLE AZ 86325 (520)63
Ü	City State Zip
	Mach A () h.t. 1-7



FEB 1 7 2006

GROUNDWATER MGT

Well ADWR Reg. # 55-556626



Not To Scale

CREEK STATES

FIGURE 5
Generalized Well Deepening Design
Verde Santa Fe Golf Course Well
Cottonwood, Arizona

New Verde Santa Fe Golf Course LLC 4216 North Brown Avenue, Scottsdale, Arizona 85251 Tel. 480-994-9267. Fax. 480-945-8368

Ms. Creola Lasky
Records Management
Department of Water Resources
500 North Third Street
Phoenix, AZ 85004

14th October 2003

Re: New Verde Santa Fe Golf Course LLC

Dear Creola:

Enclosed is a Request to Change Well information for Well Registration No. 55-556626 and a check in the amount of \$10.00 for the required fee. Please change the ownership of the referenced well from Verde Santa Fe South to New Verde Santa Fe Golf Course LLC. The new owner has executed the form.

Sincerely,

Stanley-Blake

Enclosyfes

ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION
MAIL TO: P.O. BOX 458 - PHOENIX, ARIZONA 85001- 0458
FOR INFORMATION: CALL MONICA ORTIZ AT (602)417-2477

JAN 1 8 2002

REQUEST FORM TO CHANGE WELL INFORMATION RECOR

Please complete the appropriate section of this request form and return to P.O. Box 458, Phoenix, Arizona 85001-045. In accordance with A.R.S. § 45-113, please submit the applicable fee. NOTE: A.R.S. §45-593 (C) requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty days after changes take place.

SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.

	WELL INFORMA	220211 (210-20				
	location of the propose horities to be changed.		fter drilling authority l	has been issued, a	ittach a \$10).00 reissue fee for e
WELL REGI	STRATION NO. 55-	556626	FILE	NO: <u>AC(15</u>	-4) 11	bac
I/We request the	ne following well infor	mation be change	ed: <u>change</u> th	e locatio	n of th	ne well
Date /.//g.	4 NE 1/4 NW 02 Signature formation is on your	of Current Weil (Owner	Verde Sa	CHEIS :	B. HEETER South Water
NOTE: If this	change consists of mo	ore than one well	and the names are con	mmon: attach a \$1	0.00 fee. O	therwise, each well re
a separate fee	of \$10.00.					
a separate fee	of \$10.00.			lew Owner of the	well descri	bed below:
I,	1414 c	, state the	at I am the Previous/N			
I,	or \$10.00.	, state the	at I am the Previous/N	N/SI	Range	E/W
I		, state the	Township the well is located: Bo	N/SI	Range	E/W Parcel
I, 1/4 10 Acre 4 Assessor's tax Well Registrat	1/41/4 c O Acre 160 Acre parcel number of the p	, state the	Township the well is located: Bo	N/S_I	Range	E/W Parcel
I, 1/4 10 Acre 4 Assessor's tax Well Registrat	1414 0 Acre 160 Acre parcel number of the par	, state the	at I am the Previous/N Township he well is located: Bo File No.	N/S I ok Ma Owner's Name	Range	E/W Parcel
I. 1/4 10 Acre 4 Assessor's tax Well Registrat	1414 0 Acre 160 Acre parcel number of the par	, state the	Township Township he well is located: Bo File No. PRINT New (N/S I ok Ma Owner's Name	Range	E/W Parcel
I, 1/4 10 Acre 4 Assessor's tax Well Registrat PRINT Previo	1/41/4 0 Acre 160 Acre parcel number of the p	, state the	Township Township he well is located: Bo File No. PRINT New (N/S I ok Ma Owner's Name SS	Range	E/W Parcel

DWR 55-71a (Rev 1/99)

APPENDIX B

PRIVATE WELL DATA - ADWR 55 WELL REGISTRY PRINT-OUT

*** Following Areas Within About One Mile of WWTP

- T15N-R3E Sections 1 (east half) & section 12 (northeast quarter)
- T15N-R4E Sections 5, 6, 7, & 8
- T16N-R4E Sections 31 & 32



Arizona Department of Water Resources



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Vell	Registry	Search	

Enter Township Range 🔮

Township Half N/S Range Half E/W Section Q160 Q40 Q10

15 No N 3 No E 1 A

Start Over : Back View Results

Well Info (a Map) Data Export (a) Well Registry Help (Filter Well Type: No Filter / All Well Types

Reg No.	GWSI Site ID	Legal Description	Owner Name	Well Type	Well Depth (ft)	Casing Depth (ft)	Case Dia (in)	Orlii Date	Water Level	Pump Capacity (GPM)
528979	344304111584301	A15003001ADD	COLEMAN, ALAN,	EXEMPT	210	210	6	8/10/1990	64	25
908729		A15003001ACC	DONALD MCKINNON	EXEMPT				-		1
647188	*****	A15003001ACD	FRED MORENO	EXEMPT	0	0	0	•	0	0 ;
647189		A15003001ADC	VANDERHOEF,G L	EXEMPT	0	0	0 .		0	0
647205		A15003001ACD	COLEMAN,D A	EXEMPT	150	40	6	10/27/1973	42	17
649834		A15003001ACD	RODNEY W. ROSENBARGER	EXEMPT	200	0	6	4/1/1974	0	34
649289		A15003001AAA	CRAMBLETT, J F	EXEMPT	0	0	0		0	35 [.]
647609		A15003001ADC	MOOSMAN,R V	EXEMPT	0	0	0		0	0
647187		A15003001ACD	HEGNA,D K	EXEMPT	0	0	D		0	0
647181		A15003001ADA	ROBERT E. BIGALOW, JR.	EXEMPT	85	0	6		0	0

Page 1 of 3, items 1 to 10 of 25.

ADWR's Well Registry database contains well information provided by well owners and drillers when wells are registered with the State of Arizona
Data is not independently venified by ADWR.

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CHAMAIA



Well Info

Director Herb Guenther

Arizona Department of Water Resources



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Well Registry Search

Enter	Township Range	
-------	----------------	--

Township	Half	N/S	Range	Half	EW	Section	Q160	Q40	Q10
15	No	N	3	No	E	1	A		à
Start O	ver					i	Back	Vie	w Results
	ata Expo		Vell Regis		•		Filter We	oll Type: No	o Filter / All Well Types
		· ·			•			Weii C	asino Case

Reg No.	GWSI Sile ID	Legal Description	Owner Name	Well Type	Well Depth (ff)	Casing Depth (ft)	Case Dia (in)	Drill Date	Water Level	Pump Capacity (GPM)
564585		A15003001ADA	ROBERT E. BIGALOW, JR.	EXEMPT	200	55	6	9/3/1997	60	16
649296	•	A15003001ADD	HILBERT, L W	EXEMPT	150	a	8		0	0
647608		A15003001ABC	LINDA & CHRISTINE WERNER & SCHIMANSKI	EXEMPT	145	38	8	4/21/1971	35	35
584821		A15003001ADB	DONALD LAMB	EXEMPT	250	55	6		65	•
628244	• .	A15003001ACC	CAROLINE DIRE	NON-EXEMPT	165	32	6	3/30/1978	155	36
647191		A15003001ADD	MARCIA FALSTICH	EXEMPT	245	60	6	2/4/1998	70	30
648637	• • •	A15003001ACD	CLARK,H B	EXEMPT	400	0	6	1/1/1940	0	35
647596	• •	A15003001ABB	BUTLER,R V	EXEMPT	220	220	8	1/1/1967	0	0
647603		A15003001ADB	DLAMB	EXEMPT	100	53	6	7/20/1973	0	25
647194		A15003001ABC	RALPH & PATRICA JENNINGS	EXEMPT	135	0	0		0	0
•		• • •							•	•

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Page 2 of 3, items 11 to 20 of 25,





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MALL	aninte.	Search

Enter Township Range 99

		٦	ownsh i	p Half	N/S	Range	Half	E/W	Section	Q160	Q40	Q11	D			
			15	No	N	3	No	E	1	A			2			
		,	Start	Over						Back	Vie	w Res	sults	٠		
:::1	Well Info	Q	Мар	Data	Export	∅ Well R	egistry H	elp		Filte	r Well Typ	e: No	Filter / Al	l Well 7	Гуреѕ	
	Reg No.		GWSI Site ID	Legal Des	cription	Owner Nam	ne .		Weil Type	Well Depth	Casing Depth (ff)	Case Dia (in)	Orill Date	Water Level	Pump Capacity (GPM)	
	647582			A1500300	1ADD	RENNIE SE	R,C A		EXEMPT	0	0	6		0	0	
	850061			A1500300	1ACA	MATTHEW	CAVANAU	GH	EXEMPT	0	0	6		0	0	
	647328			A1500300	1ACD	JOHNSON,	1C	,	EXEMPT	0	0	0		0	20	
	650062			A1500300	1ADD	HELENLO	RISWELL		EXEMPT	250	55	6	4/6/2000	85	0	
	647195			A1500300		CHARLES I			EXEMPT	150	0	0		0	0	

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Page 3 of 3, items 21 to 25 of 25.

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Well Registry Search

Enter Township Range 9

Township Half N/S Range Half E/W Section Q160 Q40 Q10

15 No N 3 No E 1 D

Start Over Back | View Results |

Well Info Map J Data Export Well Registry Help Filter Well Type: No Filter / All Well Types

	Reg No.	GWSI Site ID	Legal Description	Owner Name	Well Type	Well Depth (ft)	Casing Depth (ft)	Case Dia (in)	Drill Date	Water Level	Pump Capacity (GPM)
	537316		A15003001DCB		EXEMPT	154	154	6	7/6/1992	67	15
	203707		A15003001DDD	SUE M SNITNER	EXEMPT	275	40	7		98	
	567557		A15003001DCD	JOHN A MAHON	EXEMPT	200	68	6	3/27/1998	45.	16
	647607		A15003001DCB	FRANK & DEANA ALLEN	EXEMPT	150	0	6	12/31/1977	90	75
	624515		A15003001DCB	NIDEY,R A	EXEMPT	150	50	6	3/17/1980	41	30
	805843		A15003001DCC	EARL, STANLEY,L	EXEMPT	0	0	o o	12/31/1968	0	G.
	807551		A15003001DDA	VERN & ESTHER MAHARRY	EXEMPT	175	42	6	11/23/1997	80	22
	563634		A15003001DCA	CAROLINE DIRE	EXEMPT	200	64	6		55	20
	508291		A15003001DDB	MOSES,L	EXEMPT	165	15	8	6/7/1984	60	0
п	802868		A15003001DCD	MARTINEZ, FRANK,O	EXEMPT	178	0	6	1/30/1979	ο	0

...1.2 3 4 5-6-7

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Well Registry Search

						Ent	ter Town	ship Ra	nge 🥙							
		Town	ship i	Half	N/\$	Range	Half	EW	Section	Q160	Q4	o c	10			
		15	No	•	N	3	No	E	1	D			4	Q		
		Sta	ert Over	j					en en	Back	· ·	View R	esults	. !		
***	Well Info	🍳 Мар	D فر_	ata Exp	ort ©) Well R	egistry He	elp .		FII	ler Well 1	Type: No	Filter	/ All Well	Types	
	Reg No.	GWSI Site ID	Legal D	escription	ı Own	er Name			Weil T	ype	Well Depth (ft)	Casing Depth (fi)	Case Dia (in)	Drill Date	Water Level	Pump Capar (GPM
	511329	,	A150030	001DCA	ALB	ERT K & M	ERLYNN BA	RBER	EXEMPT		200	50	6	6/8/1985	47	15
	507365	•	A150030	001DDD	JOS	E & LAURI	E RAZO		NON-EXE	MPT	180	40	6	3/7/1984	70	15
	648564	•	A150030	001DCD	CLA	RK,A R			EXEMPT		150	0	6	9/1/1977	38	20
	568802	• • • •	A15003	001DDD	ED I	HINCKLEY			EXEMPT		61	61	6	B/18/1998	51	
	807624		A150030	001DDC	JAN	NA GENO	/ESE		EXEMPT		•			, ,,	•	
	505350		A150030	001DCC	MAR	TIN WEND	AL GOVE		EXEMPT	•	250	50	6	3/10/1983	70	15
	500664		A150030	001DCD	CLIN	ITON WYS	KIVER		EXEMPT		200	45	6	1/1/1981	0	0
	649555	,	A150030	001DCD	NOF	VA SKAGO	38	•	EXEMPT		150	0	6	9/1/1977	38	20
	591581		A150030	001DOC	PAU	L W MAPL	E		EXEMPT		225	55	6	**	80	
	557642	•	A15003	001DAA	LUN	D, FRANK,	L		EXEMPT	•	0	0	0		0	0

- Page 6 of 7, items 51 to 60 of 70.

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Arizona Department of Water Resources



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Well Registry Search

Enter Township Range 9

Towns	hip Half	N/S	Range	Half	E/W	Section	Q160	Q40	Q10	
15	No	N	3	No	E	1	D			ù
l Star	t Over					f .	Back	Vie	w Result	s ·

🖭 Well Info 💆 Map 🦼 Data Export 🔞 Well Registry Help

Filter Well Type: No Filter / All Well Types

Reg No.	GWSI Site (D	Legal Description	Owner Name	Well Type	Well Depth (ft)	Casing Depth (ft)	Case Dia (in)	Drill Date	Water Level	Pump Capacity (GPM)
807680		A15003001DDC	WALTER & JEANETTE MURRAY	EXEMPT						
802212	****	A15003001DD8	ALEXANDER, CHERYLA	EXEMPT	250	36	8	10/25/1978	58	30
519074	•	A15003001DCA	EMRY, FRANK,W	EXEMPT	212	0	0	9/25/1987	60	10
802738		A15003001DCD	WILKENING, ADAM,R	EXEMPT	0	0	0		0	0 .
502251	*****	A15003001DCD	CHARLES SAAB	EXEMPT	200	125	6	10/19/1994	55	5 :
505360		A15003001DCC	MARTIN WENDAL GOVE	EXEMPT	225	50	6	3/9/1983	70	15
564119		A15003001DCA	WILCOX, ERNEST,	EXEMPT	300	0	0	8/13/1997	0	0
802930		A15003001DCB	JUDY HOPKINS	EXEMPT	185	35	6	7/12/1978	68	20
603328		A15003001DDC	MOSER,D F	EXEMPT	147	50	6	6/13/1979	C	30
629726		A15003001D00	BARBARA PREWITT	EXEMPT	0	0	6		0	11

1.2.3.4.5.6.7

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Well Registry Search

Enter Township Range 9

	Township	Half	N/S	Range	Half	E/W	Section	Q160	Q40	Q10	
	15 .	No	N	3	No	E	1	D			Q
:	Start O	ver						Rack	Viev	v Recult	

Well Info (Map) Data Export (Well Registry Help | Filter Well Type: No Filter / All Well Types

Reg No.	GWSI Site ID	Legal Description	Owner Name	Well Type	Well Depth (ft)	Casing Depth (ft)	Case Dia (in)	Orill Date	Water Level	Pump Capacity (GPM)
902910		A15003001DDD	CAROL ANN OVEROSS	EXEMPT	360	380	8	8/25/2005	79	
601528		A15003001DCB	JANNA GENOVESE	EXEMPT	250	0	8	1/1/1968	70	0
626465		A15003001DD0	NICOLELLA, CARMELLA,	NON-EXEMPT	٥	0	0		D	0
535692		A15003001DCB	DEAL, NORMAN,R	EXEMPT	150	150	6	11/14/1992	40	15
537540	•.	A15003001DCA	NICHOLAS & MARIA SALAS	EXEMPT	200	200	8	8/31/1993	65	15
807176		A15003001DCA	WILCOX, ERNEST,J	EXEMPT	0	0	0	3/3/1973	0	0
563197		A15003001DDB	JOAN & HARRY TURNER	EXEMPT		•			••	
641855	• •	A15003001DDA	ANDREWS,S G	EXEMPT	175	42	6	10/21/1976	40	25
509579		A15003001DCC	RUSS FREDENBURG	EXEMPT	200	81	6	11/7/1984	80	10
807563		A15003001DDB	COLEEN INGERSOLL	EXEMPT	240	0	0	▼	57	0 .

1 2 3 4 5 6 7

Page 4 of 7, items 31 to 40 of 70

ADWR's Well Registry database contains well information provided by well owners and drillers when wells are registered with the State of Arizona. Data is not independently verified by ADWR.

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Well Registry Search

Enter Township Range 9

		Towns	ship Half	N/S	Range	Half	EW	Sectio	n Q160) Q4	40 C	210			
		15	No	N	3	No	E	1	D				a		
		Sta	rt Over					-	Back		View F	Results			
(19)	Well Info	🛛 Мар 🔍	d Data Ex	port 🐠	Weil Regi	stry Help		•	Filter	Well Typ	e: No F	ilter / /	Ali Well Ty	oes	
	Reg No.	GWSI Site iD	al Description	Owner Na	me	·.	•		Well Type	Well Depth (fi)	Casing Depth (ff)	Case Dia (in)	Drill Date	Water Level	Pump Capacily (GPM)
	624518	A15	003001DC9	NIDEY,R	A				EXEMPT	109	0	6		54	23
	901132	A15	003001DCD	THE SKA	GGS TRUS	DATED M	ARCH 24 19	998	EXEMPT	220	60	6	10/12/2004	108	
	569621	A15	003001DDA	JOHN & L	EE GASPEI	₹			EXEMPT	250	250	6	8/25/1998	100	
	807835	A15	003001DCD	MERCED	ES KELLY		, ,	• •	EXEMPT		• •		-		
	549913	A15	003001DDD	SHADIS,	SUZANNE,				EXEMPT	0	0	0	•	0	٥
	904626	A15	003001DCB	NORMAN	DEAL				EXEMPT	220	40	8		**	
	806662	A15	003001DDB	SCOTT, N	IATALIE,K	P W.			EXEMPT	200	60	6	8/31/1973	44	30
	906017	A15	003001DDA	GALE OR	VILLE MCK	ENZIE			EXEMPT	280	280	•		64	
	087780	A15	003001DCC	CHARLES	& CECILIA	HEATH			EXEMPT	200	35	6	4/1/1981	60	0
	601218	A15	003001DCB	TRUITT &	KELLY WE	88			EXEMPT	162	27	6	3/12/1979	35	28

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Page 3 of 7, items 21 to 30 of 70.

ADWR's Well Registry database contains well information provided by well owners and drillers when wells are registered with the State of Arizona. Data is not independently verified by ADWR.

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Well Registry Search

Enter Township Range

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	Township	Half	N/S	Range	Half	EW	Section	Q160	Q40	Q10
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7								MalA	Casinn	Саса

•	Reg No. Si	GWSI Site ID	Legal Description	Owner Name	Weil Type	Well Depth (fl)	Casing Depth (ft)	Case Dis (in)	Orill Date	Water Level	Pump Capacity (GPM)	1
	507898		A15003001DCB	GENE BOYD SCHNEIDER	EXEMPT	196	66	6	5/16/1984	55	32	<u> </u>
	501831	• • •	A15003001DDD	VEGA,L	EXEMPT	250	50	6	3/1/1982	90	15	٨
	5 11 32 1		A15003001DCA	DONNA R PIPER	NON-EXEMPT	200	50 •	6	6/7/1985	41	15	t
. 🗆	647190		A15003001DDB	JOAN & HARRY TURNER	EXEMPT	290	60	6	7/9/1997	110	17	ħ.
	806841		A15003001DDD	BAKER, CARROLL,	EXEMPT	209	0	8	12/31/1976	46	0	۲
	806182		A15003001DDB	JEWELL, RICHARD,	NON-EXEMPT	0	0	0	12/31/1979	0	0	١
	646475	•	A15003001DDB	PETIT, VICTOR,B	EXEMPT	165	86	6	1/1/1973	40	35	۴٠.
	086739		A15003001DDD	DEBORAH CORETHERS	EXEMPT	185	45	6	1/1/1981	120	0	١
	650794		A15003001DDC	SIMPSON, JOHN,P	EXEMPT	200	40	6	•	40	0	1
	511936		A15003001DCD	MARTIN WENDAL GOVE	EXEMPT	203	51	6	7/31/1985	41	15	r.

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Enter Township Range 6

Township	Half	N/S	Range	Half	EW	Section	Q160	Q40	Q10	
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: 🛅 Well Info	🔞 Map 🥥 Data Export	Well Registry Help	Filter Well Type: No

Filter Well Type: No Filter / All Well Types

	Reg No.	GWSI Ske ID	Legal Description	Owner Name	Well Type	Well Depth (fl)	Casing Depth (fl)	Case Dia (in)	Drill Date	Water Level	Pump Capacity (GPM)
	626464	344316111583001	A15003001DD0	COOK,G R	NON-EXEMPT	D	0	0		0	0
	802758	344304111585601	A15003001DCC	JUDY HOPKINS	EXEMPT	300	300	. 6		180	0
	807798		A15003001DDA	ROBIN L WESIGHAN	EXEMPT						
	804578		A15003001DCC	RALPH & PATRICA JENNINGS	EXEMPT	0	0	0	·•· ··· •	0	0
	802662		A15003001DDC	MICHAEL MARTIN	EXEMPT	0	0	0	1/1/1968	0	0
	649182		A16003001DCC	ROBERT FANCHER	EXEMPT	250	32	6	3/30/1978	0	35
J	800266		A15003001DDC	ELDER,D B	EXEMPT	D	0	0		D	0
	596662		A15003001DDC	RICHARD D ALDER	EXEMPT	300	40	6	6/12/2003	80	
	803877		A15003001DCD	STRAUSS, BETTY JEAN,	EXEMPT	135	48	6	9/5/1972	45	25
	602392		A15003001DCB	WALTERS, RICHARD,	EXEMPT	200	50	6	11/1/1978	52	0

1 2 3 4 5 8 7

Page 1 of 7, items 1 to 10 of 70....

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Well Registry Search

Start Over

Enter Township Range 9

Township Half N/S Range Half E/W Section Q160 Q40 Q10

₩ Well Info 😡 Map 🌙 Data Export 🍪 Well Registry Help

Filter Well Type: No Filter / All Well Types

View Results

Back

Reg No.	GWSI Site ID	Legal Description	Owner Name	Well Type	Well Depth (ft)	Casing Depth (ft)	Çase Dia (in)	Drill Date	Water Level	Pump Capacity (GPM)	1
650344		A15003012ACD	RENE K WORRELL	EXEMPT	150	45	6	1/1/1977	30	20	1
528426		A15003012ADD	BOSTICK, LAWRENCE,H	EXEMPT	0	0	0		0	0	ľ
519058	. •	A15003012AAD	DAN & COLLEN EDWARDS	EXEMPT	200	57	6	10/14/1987	60	20	. (]
538751		A15003012ADA	MCKENZIE, ROBERT,	EXEMPT	250	250	6	4/6/1994	60	0	Ţ
503673	• • • • • • • • • • • • • • • • • • • •	A15003012ABA	HOWELL,C	EXEMPT	200	203	6	8/6/1982	53	10	(
642171		A15003012ABA	JOHNSON, J.C.,	EXEMPT	163	34	7	1/1/1975	0	30	i
900651		A15003012ACD	ADALID LENCINAS	EXEMPT	200	44	6		100		i
641808		A15003012AB0	PAUL ABRAMOVICH	EXEMPT	162	50	6	2/22/1980	31	12	i
597341		A15003012ADA	GERALD BARBER	EXEMPT						* ** * .	í
631180		A15003012ACB	LIBLIN, GARY,	EXEMPT	182	40	6	6/18/1976	22	30	1

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Well Registry Search

Enter Township Range 9

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Township	Half	N/S	Range	Half	EW	Section	Q160	Q40	Q10	
15	No	N	3	No	E	12	Α			Q
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	Well Info	2 M	ap 🎜 Data 6	xport 🚱 Well Registry Help	Filter Well	Type: N	o Filter /	'All W	ell Types		
••	Reg No.	GWSI Site ID	Legal Description	Owner Name	Well Type	Well Depth (ft)	Casing Depth (ft)	Cese Dia (In)	Drill Date	Water Level	Pump Capaci (GPM)
	805663	,	A15003012AAC	EDWARD & MARY HART	EXEMPT	160	0	0	11/30/1979	0	15
j	808969		A15003012ACD	SUSAN A & ROBERT S SEAY	EXEMPT	150	150	6	1/1/1980		
	511873		A15003012ABB	RICHARD ANTHONY & HOPE MCELLIG WINEBRENNER	EXEMPT	185	50	6	7 <i>1</i> 27/1985	43	20
	631090		A15003012ACD	POTEET,G S	EXEMPT	150	0	6	10/15/1977	0	0
	511342		A15003012AAB	RENDESSY, JAMES,	NON- EXEMPT	165	50	6	6/6/1985	47	15
j	518775		A15003012ABB	MACHADO, DANIEL,	EXEMPT	160	40	6	8/27/1987	40	0
<u></u>	563632	• • • • • • • • • • • • • • • • • • • •	A15003012ADD	LARRY FRANKENSTEIN	EXEMPT	210	70	6	7/30/1997	64	0
]	802257		A15003012AAA	GEORGE J & LINDA SURAKUS	EXEMPT	255	68	8	7/10/1964	27	35
]	800119		A15003012ACC	BARRERAS,F	EXEMPT	150	0	6		0	0
]	587528		A15003012AAD	ROGER C ELIJAH	EXEMPT	250	60	8		80	

1 2 3 4 5 6 7 8 9 10 ..

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Well Registry Search

Start Over

Enter Township Range

Township) Half	N/S	Range	Half	E/W	Section	Q160	Q40	Q10	
15	No	N	3	No	E	12	A			Q

₩ Well Info 🏚 Map 🌙 Data Export 🤣 Well Registry Help

Filter Well Type: No Filter / All Well Types

View Results ·

:	Reg No.	GWSI Site ID	Legal Description	Owner Name	Wei! Type	Well Depth (fl)	Casing Depth (ft)	Case Dia (in)	Drill Date	Water Level	Pump Capacity (GPM)	۶ [۵
	648600		A15003012AD0	FREW, EVA & JOE,	EXEMPT	150	61	6	6/13/1975	33	20	N.
	087416		A15003012ACD	HOFMAN, KATHERINE,	EXEMPT	170	48	6	4/13/1981	80	15	N
	647045		A15003012AD0	FULLER,L J	EXEMPT	80	30	8	1/1/1956	14	15	N
	590243		A15003012AAB	CAROL ZIEMKOWSKI	EXEMPT	•						٨
	642589		A15003012AD0	CAMPHUYSEN,E J	EXEMPT	0	0	0		٥	O	٨
	522377		A15003012ACC	DAVID CORYN	EXEMPT	0	0	0		0	0	λ
	086265		A15003012ADD	MATHEWS,A	EXEMPT	0	0	Đ	,	0	0	Ň
	514360		A16003012ADA	MCKENZIE, ROBERT,	EXEMPT	155	40	6	5/21/1986	30	8	Ŋ
	542291		A15003012AAD	CRAIG & GLENDA ATHERTON	EXEMPT	175	63	6	2/6/1994	60	30	٨
. 📮	802473		A15003012ABC	MEDLEY, E D	EXEMPT	0	٥	0	1/1/1962	D	0	٨

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Weil Registry Search

Enter Township Range

Township	Half	N/S	Range	Half	E/W	Section	Q160	Q40	Q10	
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::3	Well Info	🏚 Мар	_d Data Expo	rt 🥝 Well Registry Help	Filter V	Vell Type:	: No Filter / All Well Types					
•	Reg No.	GWSI Site ID	Legal Description	Owner Name	Well Type	Well Depth (ft)	Casing Depth (ft)	Case Día (In)	Drill Date	Water Level	Pump Capacity (GPM)	1- 1
	512537		A15003012ACC	SCHARFENCAMP,,M D	EXEMPT	128	128	6	10/23/1985	23	20	1
	807559		A15003012ABA	PALMER, JERRY,	EXEMPT	200	60	8	12/31/1978	75	18	t
	910704		A15003012ACC	VERDE VALLEY FIRE DISTRICT	EXEMPT	500	600	5	6/3/2009	136	50	ι
	551174		A15003012ADB	CHARLES E& ROSE DRUMMOND	EXEMPT	225	32	6	8/19/1995	45	12	1
	535998		A15003012ADA	JAMES & JUDITH ROBOSSON	EXEMPT	250	250	6	6/13/1992	80	34	1
	630542		A15003012AB0	LOIS J CROSE	EXEMPT	150	50	6	1/20/1973	85	25	Í
	511977	• • • • • • • • • • • • • • • • • • • •	A15003012AAB	RILEY,H D	EXEMPT	180	47	8	8/12/1985	34	30	Ė
	523374		A15003012AAB	JOHNSON, MARSHA,L	EXEMPT	180	40	6	2/25/1989	30	10	i
	518893	*	A15003012ABC	MARA RAPHAEL MILLER	EXEMPT	130	40	6	9/8/1987	30	18	ł
	637098		A15003012ACC	JOYCE VANDERHORST	EXEMPT	150	0	4	1/1/1974	0	0	1

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			Well Regi	stry Searc	:h	•		•	•					•		
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in In	Well Info	2 M	lap 🏒	Data Exp	ort 🥝 V	/ell Regis	try Help	inter of	**	Filter	Well Typ	: No F	ilter / A	ll Well Typ	es	
	Reg No.	GWSI Site (C	_	ition	Owner Nam	9	re e s i din		Well	Туре	Well Depth (ft)	Casing Depth (ft)	Case Dia (in)	Drill Date	Water Level	Pump Capacii (GPM)
]	641775		A15000	012ADD	WROBLEY,	R			EXEMP	т	135	52	6	11/27/1974	16	D
֖֖֖֖֖֖֓֞֞֞֞֞֞֝	805140		A16003	012ABA	PAMELA EL	DINGS & R	OBERT LE	E FINLEY	EXEMP	T	250	250	6	10/4/2002	80	20
]	556871		A15003	012ABD	GILBERTO,	ACOMA &	LIZA MEDIN	L A	EXEMP.	Т	200	84	6	12/27/1996	45	0
]	597027		A15003	012AAB	ROSE MC H	NON			EXEMP'	Ţ	250	250	7	3/27/2003	57	
]	610914		A15003	012ADC	LUCINDA P	ARKER			NON-EX	EMPT	50	25	8	4/25/1974	20	70
]	519322		A15003	012ABC	MIKE F ME	JLEBROEC	κ		EXEMP'	r . <u> </u>	130	50	6	10/24/1987	30	15
_	507749		A15003	012AAD	WHETTEN,	: 			EXEMP.	T	175	59		5/2/1984	55	15
]	511199	* * * * * * * * * * * * * * * * * * * *	A15003	012AAA	VICTORIA F	ALSTON			NON-EX	EMPT	200	60	6	6/13/1985	50	16
]	512772		A15003	012ACC	GREG A AN	D TERRA	M WAGLEY		EXEMP	T	155	155	6	10/11/1982	45	0
٦	641110		A15003	012ABD	DONALD K.	FINNEY SE	₹		EXEMP	T	0	0	6		0	0

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Well Registry Search

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Township	Half	N/S	Range	Half	EW	Section	Q160	Q40	Q10
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Well Info 🐧 Map 🏒 Data Export 🤣 Well Registry Help Filter Well Types No Filter / All Well Types

	Reg No. GWS1 Site ID	GWS1 Site ID	Legal Description	Owner Name	Well Type	Well Depth (fl)	Casing Depth (ft)	Case Dia (in)	Ori# Date	Water Level	Pump Capacit (GPM)
	560588		A15003012ADA	TILBURG, RICHARD,V	EXEMPT	200	70	6	2/14/1997	30	0
	515798		A15003012ADD	ROGER C & ROSEMARY C PETERSEN ELIJAH	EXEMPT	200	47	6	10/13/1986	30	10
	650053		A15003012ABA	CROOKS, JOAN MARIE,	EXEMPT	110	46	6	8/30/1970	35	15
	630497		A15003012AAB	FULGHUM,J C	EXEMPT	166	45	6	3/21/1970	55	0
	612316		A15003012AAD	PHYLLIS M. MILLER	NON-EXEMPT	400	0	8	1/1/1936	17	0
j	521253		A15003012ACC	BARRERAS, LAWRENCE,	EXEMPT	200	40	8	6/10/1988	30	16
J	512906		A15003012AAB	NELSON, WALTER,H	EXEMPT	170	40	6	12/11/1985	30	0
	805008		A15003012AB0	DUNCAN, RICHARD,	EXEMPT	0	0	0	1/1/1955	0	0
	601661		A15003012ACC	BRATTON,E G	EXEMPT	0	0.	0		0	0
$\overline{\Box}$	802609		A15003012ACC	REESE, DIANA,L	EXEMPT	92	43	6	1/5/1973	14	14

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Well Registry Search

Enter Township Range

Township	Half	N/S	Range	Half	EW	Section	Q160	Q40	Q10	
15	No	N	3	No	E	12	Α			Q

Back View Results Start Over Filter Well Type: No Filter / All Well Types well Info → Data Export

→ Well Registry Help Well Casing Pump Case **GW\$I** Reg No. Legal Description Owner Name Well Type Depth Depth Dia Drill Date Capacity Site tD Level (GPM) (ft) (fl) (in) JACK & LINDA DETTMAN 3/15/2000 578028 A15003012ADA EXEMPT 202 34 15 A15003012ACD JOSEPH FREW EXEMPT 200 9/15/1999 577156 646134 A15003012AD0 PATRICIA A VEGLIA EXEMPT 398 0 8 25 30 631307 A15003012AAA KEITH KALLSEN EXEMPT 450 250 12 1/1/1948 0 525281 A15003012ABC LEWIS, GILBERT, EXEMPT 200 40 7/14/1989 **DENNIS & SHAREN KAY PEARSON** EXEMPT 10/25/2005 78 208482 A15003012ABB 200 200 631308 A15003012AAA NAKATA,GK EXEMPT 0 0 D 0 O MATT BUSICH EXEMPT A15003012ACB 200 42 78 204523 WILKES JR,E R EXEMPT 1/1/1968 646955 A15003012AD0 100 15 20 140 EXEMPT A15003012AAB PFEIFER,C 225 43 8/4/1982 503611 30

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Well Registry Search

Enter Township Range

Q10	Q40	Q160	Section	EW	Half	Range	N/S	ip Half	Towns
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₩ell Info 🔞 Map 🦼 Data Export 🥹 Well Registry Help Filter Well Type: No Filter / All Well Types

	Reg No.	GWSI Sile ID	Legal Description	Owner Name	Well Type	Well Depth (fl)	Casing Depth (ft)	Case Die (in)	Orill Date	Water Level	Pump Capacity (GPM)
	566648		A15003012ACA	G M EMMETT	EXEMPT	200	58	6	3/3/1998	40	
	644932		A15003012ADB	SHANE E. HARPET	EXEMPT	225	40	6	12/27/2001	85	0
	643005		A15003012A00	FAIN,H A	EXEMPT	125	D	8	10/1/1976	0	10
: □	540798		A15003012ABC	KATHERINE HOFMAN	EXEMPT	200	46	6	9/30/1993	50	12
	590698		A15003012ADA	JOHN & BEVERLY CULVER	EXEMPT				3/13/2002		
	504235		A15003012ADA	LYNN & ANNELLA PEDERSEN	EXEMPT	130	45	6	10/12/1982	23	30
	516998	Special Control	A15003012ABD	VIRGINIA COWAN	EXEMPT	135	41	6	3/5/1987	30	15
	512783		A15003012ADB	WALSH, PHINEAS B.,	EXEMPT	125	60	6	11/12/1985	56	30
	805846		A15003012ACC	VALLEY NATIONAL BANK,	EXEMPT	0	0	0		0	0
	644495		A15003012AAA	DOROTHY J BAKER	EXEMPT	100	0 .	8	1/1/1956	0	0

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Well Registry Search

Enter Township Range 9

Townsh	ip Half	N/S	Range	Half	E/W	Section	Q160	Q40	Q10	
15	No	N	3	No	E	12	A		Q	
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. <u>114</u> \	Well Info	Map Map	→ Data Expor	t Well Registry Help		Filter W	eli Type:	No Fili	er / All We	іі Туре	S
	Reg No.	GWSI Site ID	Legal Description	Owner Name	Well Type	Well Depth (fi)	Casing Depth (fl)	Case Dia (in)	Drill Date	Water Level	Pump Capacity (GPM)
	533866		A15003012AAC	SCHINAGEL, GERALD,	EXEMPT	150	39	6	3/27/1992	40	25
	802351		A15003012AD0	TERESA L WRUCK	EXEMPT	120	37	6	2/28/1980	70	20
	544629		A15003012ADC	SUSAN A & ROBERT S SEAY	EXEMPT	0	0	0		0	0 .
	570910	• "	A15003012ACD	CONRADO LEON	EXEMPT	175	41	6	10/27/1998	35	
: 🗆	807838		A15003012ABA	RAFAEL URIBE	EXEMPT	• • • • • • • • • • • • • • • • • • • •				•	
	525243		A15003012ABC	HICKS, ZANE & P.,	EXEMPT	0	0	0	•	0	0
	516648		A16003012ADB	V & B ENTERPRISES IC,	EXEMPT	0	0	0		0	0.
	582419		A15003012ADA	GLEN & LAURA HONSVICK	EXEMPT	250	59	6	9/2/2000	90	15
	646030		A15003012ACD	MOISES GONZALEZ TREJO	EXEMPT	125	42	6	12/1/1976	16	0
	513049		A15003012AAC	DORMAN DEFOREST GROAT JR	EXEMPT	180	40	6	12/10/1982	46	17

1 2 3 4 5 8 7 8 9 10 ...

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Well Registry Search

Enter Township Range 9

Township Half N/S Range Half E/W Section Q160 Q40 Q10

15 No N 3 No E 12 A

Start Over Back View Results

733	Well Info	SQ Map	ata Export 😥	Well Registry Help	FDI	ler Well 1	ype: No	Filter	/ All Well T	ypes	
. " "	Reg No.	GWSI Site ID	Legal Description	Owner Name	Well Type	Well Depth (fl)	Casing Depth (ft)	Case Dia (in)	Drill Date	Waler Level	Pump Capacity (GPM)
	643010	344240111584501	A15003012ACD	LOISY,E	EXEMPT	135	120	6	3/18/1975	135	25
	630899	344250111583401	A15003012ADB	MILLER PHYLLIS M	EXEMPT	75	25	8	1/1/1963	50	0
	802787	344250111584101	A15003012AD0	FERRIN,A D	EXEMPT	112	60	6	9/3/1970	32	12
	642926	344253111582701	A15003012AAD	GARY R & KATHERINE E ROMIG	EXEMPT	147	٥	8	1/1/1958	38	25
	643607	344300111590401	A15003012AAC	ANNE S COLEMAN	EXEMPT	200	20	6	6/19/1998	54	20
	649781	344302111583101	A15003012AAA	JAMES R TIPTON	EXEMPT	167	0	8	•	60	0
	551110	344303111583401	A15003012AAB	ROSS ROESER	EXEMPT	160	٥	.6	1/1/1973	σ	0 .
	805515	* * * * * *	A15003012ABC	LEWIS, GILBERT,	EXEMPT	200	0	0	12/31/1979	0	0
	805479		A15003012AB0	HULCE, HAROLD & K,	EXEMPT	160	40	6		20	15
	523486		A15003012AAB	KENNICK, STANLEY,	EXEMPT	185	42	6	8/15/1989	40	0

1 2 3 4 5 6 7 8 9 10

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(GPM)

Level



802516

Director Herb Guenther

Arizona Department of Water Resources

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Well Registry Search

Site ID

A15004005DA0

Enter Township Range 9

EVANS,H L

	Towns	hip Half	N/S	Range	Half	EW	Section	Q160	Q40	Q10			
	15	No	N	4	No	Ε	5				Q		
	Star	t Over					 •	Back	Vie	w Rest	ults		•
់ 🔠 Well I	nfo 🖏 Ma	ap "da Da	ta Export	❷ Well	Registry i	Help	·	F	ilter Well Type:	No Fili	ter / Al	Well	Types
• •,	Reg No.	GWSI Le	gal Description) (A. A.)	Owner Name	9	Well Type	Well Depth	Casing Depth	Case Dia	Orill Date	Water	Pump Capacity

EXEMPT

(ft)

(ft)

(in)

0

ADWR's Well Registry database contains well information provided by well owners and drillers when wells are registered with the State of Arizona. Data is not independently verified by ADWR.

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12/26/1996

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A15004006BAD

A15004006DDD

Well Registry Search

Enter Township Range 6

		Township	Half N	N/S Range	Half	EW	Section	Q160	Q40	Q10			
		15	No N	4	No	E	6				Q		
		: Start C	Over					Back	View	Result	\$		
in .	Well Info	🍳 Мар 🌙	Data Export	 Well Regi	istry Help	:		Filter Weil 3	Type: No	Filter /	All Well Ty	pes	
	Reg No.	GWSI Site ID	Legal Description	Owner Name	e	•	Wel(⊺y	Well pe Depti (fl)	Casing Depth (ft)	Case Dia (in)	Drill Date	Waler Level	Pump Capacity (GPM)
	533124	344328111582001	A15004006CBB	CITY OF CO	TTONWOOD)	NON-EXE	MPT 821	0	0	9/16/1992	0	350
	557393		A15004008AAA	DREXLER D	EVLPMNT IN	IC,	MONITOR	. 0	٥	a		a .	0
	557392		A15004008BBB	OREXLER D	EVLPMNT IN	IC,	MONITOR	t 0	a	0	•	0	0

NON-EXEMPT

MONITOR

VERDE SANTA FE ENTERPRISES

DREXLER DEVLPMNT INC.

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Well Registry Search

Enter Township Range 9

Township Half N/S Range Half E/W Section Q160 Q40 Q10

Start Over Back View Results

'ell Info 🥻 Map 🌙 Data Export 🏽 Well Registry Help

Filter Well Type: No Filter / All Well Types

	Reg No.	GWSI Site ID	Legal Description	Owner Name	Well Type	Well Depth (ft)	Casing Depth (ft)	Case Dia (in)	Drill Date	Water Level	Pump Capacity (GPM)
	843840		A15004007CC0	BOYD E COPPER	EXEMPT	0	0	0		0	34
	575021		A15004007BCD	PATTI POLK	EXEMPT	250	70	6	8/24/1999	80	
	576218		A15004007BCD	ROBERTO CARRILLO	EXEMPT	200	20	6	8/2/1999	53	• •
	553409		A15004007BCB	ERVIN & SUSAN MROTEK	EXEMPT	220	0	6	1/9/1996	106	0
· 🗆	537660		A15004007BCD	RUE, GENEVIEVE,	EXEMPT	215	215	7	7/15/1993	90	24
	545906		A15004007BCB	TRENTON BAXTOR	EXEMPT	240	62	6	9/25/1995	100	0
	598058		A15004007BCB	LARRY BAUGH	EXEMPT	240	40	6	6/5/2003	110	20
	644091		A15004007BCC	JOAN K BOOK	EXEMPT	205	205	6	7/9/1994	87	16
	528091		A15004007DDA	JEFF & MICHAEL HICKS & HENKE	EXEMPT	230	230	7	5/14/1990	80	10 '
. 🗆	635169		A15004007ACC	SCHULTZ, PETE,	EXEMPT	300	50	6	5/11/1992	190	0

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Page 2 of 2, items 11 to 20 of 20.

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Well Registry Search

Enter Township Range

Township Half N/S Range Half E/W Section Q160 Q40 Q10

Start Over

Back View Results

📆 Well Info 🐧 Map 🦼 Data Export 🤣 Well Registry Help :

Filter Well Type: No Filter / All Well Types

	Reg No.	GWSI Site ID	Legal Description	Owner Name	Well Type	Well Depth (ft)	Casing Depth (ft)	Case Dia (in)	Drill Date	Water Level	Pump Capacity (GPM)
	643841	344221111582101	A15004007CC0	BOYD E COPPER	EXEMPT	٥	0	0	3/1/1972	0	25
	524907	344244111581501	A15004007BCB	LIVESAY, FRITZ,	EXEMPT	245	245	8	7/29/1989	175	30
	647633		A15004007CCA	SUEANN & GARATH WIMMER	EXEMPT	100	80	8	•	85	15
	645470		A15004007BC0	PHILLIPS,J L	EXEMPT	270	0	8	1/1/1920	0	2
	901606		A15004007BCB	JUDITH FARONE	EXEMPT	200	40	6	2/2/2005		•
; □	844655		A15004007CC0	KESTER,A B	EXEMPT	0	0	6		0	0
	805667		A15004007CD0	CHENEWETH, J EDWIN,	EXEMPT	D	D	D	•	D	0
	557524		A15004007ACD	CRAIG & KATHY TEWEANGER	EXEMPT	170	46	в	9/25/1998	75	10
	647632		A15004007CCA	JAMES A GUNDELACH	EXEMPT	165	0	6	•	30	15
. 🗆	645469		A15004007BC0	PHILLIPS,J L	EXEMPT	170	0	8 	1/1/1930	0	18

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No registry wells found. Please modify your

							Sea	arcn.						
•	Well	Regi	stry Search											
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;	, , ,	WIISIII	p Hall	MIG	110	iige	Han			Cuon	Q 100	GC+0	G(10	•
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;	-	Start	Over			No. 4 Marco 1 4411			ود د وسو د د		Back	View	Results	
in 1	Well	Info	🏖 Мар	_d Da	ta Exp	ort () Well	Registr	y Help)	Filter Well N Type:	lo Filter /	All Well Typ	es
Re	eg `	SWSI Site	Legal Description	Owner Name	Wall Type	Well Depth (ft)	Casing Depth (ft)	Case Dia (in)	Drill Date	Water Level	Pump Capacity (GPM)	Pump Data Available	Completion Report	Log Receiv
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ADWR's Well Registry database contains well information provided by well owners and drillers when wells are registered with the State of Arizona. Data is not independently verified by ADWR.

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EXHIBIT

From: Renee.Gullickson@wellsfargo.com < Renee.Gullickson@wellsfargo.com >

To: Jason Williamson

Sent: Tue Nov 16 11:27:45 2010

Subject: Credit request for Verde Santa Fe

Jason,

Per our conversation, I have received your request for a \$250,000 loan to fund improvements and equipment for the Verde Santa Fe Wastewater Comp and in conjunction with the Backup disposal application –injection Wells. We will begin our underwriting process upon receipt of the Act III corporation's certificate of good standing. I anticipate that the underwriting will be completed within two weeks upon receipt of the final document.

If you should have any questions feel free to contact me.

Thank you for this opportunity.

Renee' M. Gullickson Vice President, Senior Relationship Manager Wells Fargo Bank, N.A. Phone: 303-752-6320

Fax: 303-752-6312

E-Mail Renee.Gullickson@WellsFargo.com

Address: 1450 So. Havana St., Aurora, CO 80012

MAC#C7215-011

This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose, or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply email and delete this message. Thank you for your cooperation.